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TWENTY-FOURTH ANNUAL REPORT

OF THE

COMMISSIONER OF RAILROADS

OF THE

STATE OF MICHIGAN

FOR THE YEAR 1896

BY AUTHORITY

LANSING
ROBERT SMITH PRINTING CO., STATE PRINTERS AND BINDERS
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1896.

SIMEON R. BILLINGS, Genesee Co., *Commissioner.*
EDWARD A. RUNDELL, Montcalm Co., *Deputy Commissioner.*
ELLIOTT F. MOORE, Saginaw Co., *Mechanical Engineer.*

OFFICIAL ADDRESS:

LANSING, - - - MICHIGAN,

COMMISSIONERS OF RAILROADS.

DEPARTMENT CREATED APRIL 10, 1873. TERM OF OFFICE TWO YEARS.

	Appointed.
STEPHEN S. COBB,	April 25, 1873
WM. B. WILLIAMS,	May 1, 1877
WM. P. INNIS,	January 12, 1883
WM. McPHERSON, Jr.,	January 15, 1885
JOHN T. RICH,	January 12, 1887
CHAS. R. WHITMAN,	January 14, 1891
SIMEON R. BILLINGS,	January 10, 1893

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REPORT.

STATE OF MICHIGAN,
OFFICE OF THE COMMISSIONER OF RAILROADS,
Lansing, December 1, 1896.

HON. JOHN T. RICH, *Governor of Michigan:*

SIR—In compliance with the statute governing this department, I respectfully submit to you the twenty-fourth annual report from this office.

It includes the annual reports of the various railroad corporations doing business in this State for the year ending December 31, 1895, with condensed tables and statistics gathered therefrom, and other tables containing information from various sources; also such matter pertaining to the official acts of the Commissioner, and current railroad events, as are considered to be of interest to the public and railroad managements.

This annual report, the same as all former annual reports from this department, will be subject, to this criticism: The information given is a year late.

In justice to former Commissioners, and to the history of this department, I am led to say that the annual reports from this department have been submitted to the Governor on time, and contain all the latest information that is attainable under the present law.

This report covers the work of the department and special reports of railroads for the year ending November 30, 1896, and the annual reports of railroads for the year ending December 31, 1895.

The annual reports of railroads for the year 1896, by the limit of law, are not required to be on file in this office until April 1, 1897, hence they cannot appear in this report. To partially correct this difficulty a change in the law is asked for, which will be found under the head of recommendations for legislation.

The policy adopted during my administration has been to separate the facts which pertain to interstate mileage and traffic from those belonging exclusively to the State, and at the same time retain the valuable information given by interstate railroads taken as a whole. Very gratifying results have been obtained in this direction. This report, as far as possible, will be confined within State lines.

The hopeful outlook spoken of in my last report that there would be increased earnings for 1895 over the previous year, was realized, which

was shown by the taxes that were collected this year, being over $65,000 more. It is indicated by earnings statements made monthly to this department, that the earnings for the year 1896 will show a greater increase over previous year. The increase in earnings is derived from the transportation of freight; the earnings from the transportation of passengers show a decided falling off in comparison to 1895.

One road has gone into the hands of a receiver during the year, and one road has been sold on mortgage, reorganized under a slight change of name, which will be spoken of in connection with the road hereafter.

OPERATION OF ROADS.

The operation of roads has been attended, as a whole, with very favorable conditions during the entire year, which gives a wide contrast to those met with during the three preceding years of my term of office.

I have the pleasure of stating that this year will make the third year in succession that no passenger has been killed by what could properly be called a railroad accident.

The Interstate Commerce Commission makes a splendid showing in this regard, that the number of passengers killed in railroad travel is on the decrease, which goes far to prove that safety appliances and conditions to prevent accidents have not been neglected. There is no class of men employed in any other business that will excel railroad men in their work in point of steadfast watchfulness to keep all things in order and in the line of safety.

RECOMMENDATIONS FOR LEGISLATION.

The present law requires railroad companies to make their annual reports to the Commissioner of Railroads covering the year ending December 31. It is desired to have the fiscal year changed to end June 30. There are many reasons for this change, the most important of which are:

1. It is to aid the effort being made to establish a uniform system of railroad accounting throughout the United States.
2. The fiscal year of the Interstate Commerce Commission ends June 30.
3. Nearly all of the States have the fiscal year for railroad accounting close at this time.
4. Railroads are not confined to State lines, and their reports should cover the same period of time, to make comparisons of any value.
5. Railroads in this State are now required to make two separate reports covering two different periods of time; one of them for this State, and one for the Interstate Commerce Commission, when, by making the proposed change, copies of one report will answer for both. The established detailed system of accounting now required is the same.
6. The information given in the Commissioner's report would be six months nearer up to date than is possible to have it under the present law.
7. The fiscal year of many of the railroad companies ends June 30, and without an exception they either desire or consent to the change.

Train and Street Railways.

The railroads organized under the street or train railway acts of this State have become a very important factor in the transportation business since electricity is used for motive power. They are not confined to the streets of cities, but extend long lines into the country, using highways, and in some instances own their right of way, making a necessity for line fences, wing fences and cattle guards at highway crossings, the same as steam roads. They carry passengers, light freight, express and mail; they cross steam roads, and swing bridges, and, also cross each other where safety appliances are as essential as those required for steam roads. The speed of electric trains will soon equal that of steam, and will probably, in the near future, excel it. Therefore, I earnestly recommend that all electric railroads be brought under the same State supervision and under the same railroad police laws that now apply to steam roads organized under the general railroad law. They should be required to make a detailed report to the State railroad department conforming to the same uniform system of accounting that is required of steam roads.

Telegraph and Telephone Lines.

Act No. 171, session laws of 1893 placed telegraph, telephone and all other wire lines over and across steam tracks under the supervision of the Commissioner of Railroads, and as the duties of his office bring him in contact with that line of business, I recommend that the law governing the various wire line companies be revised and so amended as to place their operation under the supervision of the State railroad department; that said companies be required to make an accounting to that department and that the assessing and computing of taxes on wire line property be placed under the jurisdiction of the Commissioner of Railroads, and all information of a public character given by said companies, with the official acts of the Commissioner pertaining thereto, be published in his annual report to the Governor.

This proposed change would result in economy to the State.

STREET RAILWAYS.

The following table shows names of street railways that filed annual reports with the Secretary of State for the year ending December 31, 1895, as required by act No. 148 session laws of 1855 and act No. 35 session laws of 1867, also miles of street railways, cost of construction and equipment, capital stock, earnings, operating expenses, dividends and indebtedness; information relating to taxes was obtained by correspondence with the companies named.

No.	Name and place.	Date report filed. 1896.	Miles.	Cost of construction and equipment.	Capital stock.	Capital paid in.	Earnings and tolls, etc.	Operating expenses.	Dividends paid.	Indebtedness.	Amt. paid for taxes.
*1	Mancelona & Northwestern, Mancelona	Jan. 23	8.	$25,542 94	$8,000 00	a	a	a	a	a	f
2	Detroit Railway, Detroit	May 15	47.187	1,990,814 92	1,000,000 00	.....	$149,756 92	$86,319 21	.....	$1,143,876 51	g $1,306 62
3	Fort Wayne & Belle Isle Ry., Detroit	Jan. 29	23.	691,328 50	300,000 00	$299,800 00	234,744 01	174,261 83	$27,500 00	377,000 00	5,407 79
4	Jackson St. Ry., Jackson	Feb. 24	8.	296,761 01	140,000 00	140,000 00	30,684 00	21,505 02	.....	150,000 00	.....
5	Rapid Ry., Detroit	Jan. 11	15.27	555,000 00	250,000 00	250,000 00	30,356 81	15,585 34	.....	305,000 00	.....
†6	Owosso & Corunna Traction Co., Owosso.	Feb. 11	4.50	a	50,000 00	a	a	a	.....	a	179 06
7	Bay City Cond. Ry., Bay City	Jan. 20	21.	521,000 00	1,000,000 00	900,000 00	88,657 93	58,516 95	.....	a	2,002 88
8	Escanaba Electric St. Ry., Escanaba	Jan. 24	3.	48,307 90	50,000 00	48,307 90	5,070 65	5,564 56	.....	781 34	.....
9	Menominee Electric Light Ry. & Power Co., Menominee	Jan. 22	6.70	175,673 51	110,000 00	110,000 00	42,900 28	27,951 07	4,400 00	45,000 00	1,293 18
10	Union St. Ry., Saginaw	Mar. 18	25.	569,531 95	300,000 00	230,000 00	122,509 52	108,445 18	.....	400,796 97	.....
11	Lansing City Ry., Lansing	Oct. 12	8.10	b	100,000 00	100,000 00	22,525 25	19,623 50	.....	100,000 00	203 06
12	Wyandotte & Detroit River Ry., Wyandotte	Jan. 28	10.30	389,000 00	250,000 00	200,000 00	35,407 56	22,682 23	.....	189,000 00	.....
13	Adrian City Electric Belt Ry., Adrian	Feb. 29	2.80	a	50,000 00	a	6,3[illegible]5 92	5 085 92	.....	6,277 41	82 33
14	Detroit Transit Ry., Detroit	Jan. 13	1.57	22,000 00	22,000 00	22,000 00	9,347 37	2,086 09	4,400 00	a	550 17
15	Epworth League Ry., Ludington	Jan. 10	2.25	11,820 00	15,000 00	6,795 00	1,384 66	785 59	.....	3,650 60	h
16	Grand Haven St. Ry., Grand Haven	Jan. 14	2.	9,922 00	25,000 00	8 629 90	2,575 85	1,283 53	.....	None.	i
17	Citizens' St. Ry., Kalamazoo	Jan. 25	11.60	351,241 86	200,000 00	200,000 00	36,423 44	30,571 71	.....	168,782 62	.....
18	Ann Arbor St. Ry., Ann Arbor	Jan. 10	6.62	131,996 35	100,000 00	43,550 00	16,237 94	12,858 30	.....	100,000 00	190 96
19	Detroit Citizens' St. Ry., Detroit	Jan. 30	104.	c	.....	1,250,000 00	1,067,738 29	729,025 88	.....	7,000,000 00	119,824 12
20	Twin City Ry. Co., Ironwood	Sep. 3	5.	60,000 00	400,000 00	d 400,000 00	11,997 50	11,092 22	.....	25,000 00	359 08
21	St. Joseph & Benton Harbor St. Ry., St. Joseph	Jan. 23	5.50	140,251 00	100,000 00	100,000 00	27,885 15	28,505 59	.....	1,859 49	
22	South Grand Rapids St. Ry., Grand Rap.	Feb. 4	1.75	7,462 08	9,000 00	9,000 00	None. e.	7 00	.....	None.	j

*. Used as a private road and only for logging purposes.
†. Road in process of construction.
a. Not given.
b. Unknown.
c. Cannot give.
d. Includes capital for two electric lighting plants.
e. Not operated in 1895.
f. Not taxed separate.
g. No specific tax. $1,306.62 on personal and realty.
h. No taxes paid.
i. Specific tax. $13,198.60. Real estate. $6,625.53.
j. Exempt under its franchise.
l. Paid no taxes.

Train Railway act No. 148, session laws of 1855, and Street Railway act No. 35, session laws of 1867, require all companies organized under these acts to submit annual reports to the Secretary of State; there are a large number of corporations organized and in operation in this State under the above acts but only twenty-two companies complied with the law and filed annual reports for 1895, and as no penalty is provided to compel compliance with the law, the Secretary of State is unable to enforce them.

METHODS OF TAXING RAILROADS IN THE VARIOUS STATES.

The agitation of the public mind about railroads a few years ago was to encourage their building. Valuable property was donated to influence the locating of lines, and large sums of money were given by individuals and voted by municipalities to aid in their construction. The conditions have changed. The roads have been built, and the interest of the public now in railroads is on the rates they charge and the amount of taxes they pay; whether the one is reasonable in comparison with the expense attending transportation, and the other is equitable in comparison with other taxed property. To arrive at a correct solution of this complicated problem will take diligent study and the experience of years. Many methods for taxing railroads are in force in the different states, any one of which can be so adjusted as to place the amount of taxes such property ought to pay in an equitable and just proportion to that of other property. In our system of taxing railroads the tax can be raised or lowered as justice demands by increasing or decreasing the rate of per cent on gross receipts. And if on assessed valuation, the same as other property, the tax can be increased or decreased by increasing or decreasing their assessed valuation.

Whether the taxes are too high or too low in this State is a question for the legislature to decide. This State's method of taxing gross earnings may not seem equitable when one or two years are considered, for a year of hard times would make low railroad taxes when other property might pay as much or more than in prosperous years. Railroad taxes, when computed on gross earnings for a term of years, compare favorably with taxes levied under any other method of railroad taxation, or with the amount of taxes paid by other property which is assessed on cash valuation. The reason for this is that the cash valuation of a railroad is fixed by the amount of its earnings taken for a term of years, regardless of the cost of construction. In short, the market value of a railroad depends upon its past, present and prospective earnings. But let the method of assessing and fixing the rate per cent be what it may, the tax should be collected by the State, thereby benefiting every part of the State by such taxation. The method of distributing the tax collected from railroads in this State is a very wise and commendable one. The tax goes into the State primary school fund, and is paid out to each school district in proportion to the number of children of school age.

I do not care to discuss any particular method, of taxing railroads but the question is considered of such importance that I have carefully arranged, in a condensed form, the different methods used in the several states. For convenience in making comparisons of the different methods, those states having similar laws are grouped together.

Various States.

Arizona, California, Colorado, Idaho, Illinois, Missouri, Montana, Nebraska, North Dakota, South Dakota, and Utah, by state boards of equalization; Arkansas, Kentucky, and North Carolina, by railroad commissioners; Alabama, Florida, Indiana, Iowa, Kansas, Mississippi, West Virginia, and Wyoming, by various boards. The railroads in the above named states are taxed on their cash valuation, and that valuation is determined by state boards as indicated. These boards certify, to the proper

local officers, the valuation of railroad property in each county or tax district, as the case may be. The tax is computed and collected locally.

Texas.

In Texas, the railroads are taxed on cash valuation but such valuation is determined by the board of equalization of the county in which is situated the principal offices of the railroad assessed. This valuation is apportioned to the counties by the comptroller of accounts.

Georgia.

This state also taxes railroads on cash valuation, but the tax is collected by the state instead of by the local authorities.

Massachusetts.

In Massachusetts the cash value of the shares of capital stock of railroads is assessed by the State. Railroad property is also taxed locally the same as the property of individuals or other corporations.

Ohio.

Ohio railroads are assessed on cash valuation, which is equalized by a state board, but in addition to this tax, they are taxed specifically to the extent of $15,000.00 on gross earnings for the support of the department of commissioner of railroads.

South Carolina.

This state has a law similar to Ohio. The amount for the support of the railroad department is not specified.

New Hampshire.

In New Hampshire railroads are assessed on their cash valuation by the state board of equalization. The tax is collected by the state and one-fourth of it is paid to the towns in the ratio of the cost of construction. Also those towns in which stock is held get a certain percentage of the tax. The remainder of the tax goes to the state. Railroads are also taxed on their gross earnings for the support of the board of railroad commissioners.

New Jersey.

In this state railroads pay one-half per cent on the cash valuation of their property and franchise.

Tennessee.

Tennessee has two methods of taxing railroads. First, assessed on cash valuation of property and franchise by state board of assessors. Second, those roads not paying an *ad valorem* tax pay a privilege tax of from $100.00 to $10,000.00, depending upon the number of miles of road operated.

Vermont.

Vermont railroads are taxed one and seven-tenths per cent on cash valuation, but any railroad company may, if it so elect, pay two and one-half per cent on gross earnings.

Virginia.

In this state railroads pay three-tenths per cent state tax and one-tenth per cent school tax on their assessed cash valuation. The assessment is made by the board of public works. They also pay a State tax of one per cent on their net earnings.

Connecticut.

Connecticut taxes railroads one per cent on equalized market value of capital stock and one per cent on funded and floating debt.

Pennsylvania.

This state levies a tax of one-half per cent on cash valuation of capital stock, eight-tenths per cent on gross receipts, and four-tenths per cent on corporate loans to be deducted from the interest thereon.

Delaware.

Delaware levies a state tax of ten cents for each passenger carried, ten per cent on net earnings, (one-half of) one per cent on cash value of capital stock. For county and municipal purposes railroad buildings and real estate, other than right of way, are taxed locally the same as other property, on the cash valuation. Any railroad company may, if it so elect, pay a specific State tax on its gross earnings, in lieu of the ten cent passenger tax, the rate per cent depending upon that paid by the Philadelphia, Wilmington & Baltimore Railroad, which company pays the same amount of capitation tax each year.

Maryland.

This state levies a tax on gross earnings, the rate depending upon the earnings per mile of road, ranging from eight-tenths per cent to two per cent. Railroads are also subject to county and municipal taxation the same as other property.

Maine.

A tax is levied on gross earnings, also all buildings, whether on or off the right of way are taxed locally the same as other property.

Various States.

Louisiana, Nevada, New Mexico, New York, Oregon, Rhode Island, and Washington assess and levy taxes on railroads the same as on other property.

The following states do not tax railroads on their cash valuation:

Michigan.

Michigan levies a specific State tax, in lieu of all other taxes, on gross earnings, the rate per cent depending on the amount of gross earnings per mile of road, ranging from two to four per cent.

Minnesota.

Minnesota levies a uniform specific tax of three per cent on gross earnings.

Wisconsin.

In Wisconsin the tax on railroads is in the form of a license, the amount of which depends upon the gross earnings per mile of road and the number of miles operated.

Recapitulation.

Out of the forty-seven states and territories above named, twenty-five levy taxes on the cash valuation of railroads exclusively, three on gross earnings exclusively, and seven treat railroad property the same as other property. The remaining twelve have a combination of these and other methods.

As a general rule all railroad property not used for railroad purposes or situated along its right of way is taxed locally the same as other property. In those states where railroad property is equalized or assessed by the State and the tax computed and collected locally, the average value per mile of road is determined for each road. The value of railroad property in any particular tax district is then determined on a pro rata mileage basis.

Nearly all the states where taxes are levied on capital stock, debt, earnings or rolling stock and most of those that levy taxes on cash valuation, assess railroads partly within and partly without the state on a pro rata mileage basis. That is, they first ascertain the total amount of capital stock, debt, earnings, rolling stock or cash valuation for the entire road, then the portion for any state is made in the ratio of the number of miles in that state to the total number of miles operated by that company.

Comparative table of states, showing amount of taxes collected, earnings and mileage.

State.	Year.	Total taxes.	Taxes per mile of road.	Earnings.	Earnings per mile of road.	Miles.
Michigan	1895	$741,408 77	$97.35	$29,211,014 48	$3,835 17	7,615.54
Iowa	1895	1,357,453 00	159.09	35,835,910 47	4,199 95	8,532.45
New York	1895	7,862,480 98	978.87	106,234,129 87	13,226 06	8,032.19
Illinois	1895	4,145,202 45	395.88	76,263,579 00	7,282 61	10,472.00
Massachusetts	1895	3,527,820 74	1,668.48	41,418,991 55	19,589 19	2,114.33
Minnesota	1895	850,109 48	141.90	30,952,220 00	5,166 64	5,990.78
Missouri	1895	1,186,807 63	180 78	30,900,980 53	4,707 15	6,564.69
Indiana	1895	2,256,169 98	359.31	*155,597,980 00	----------	6,279.09
Kansas	1895	2,187,030 27	245.13	17,131,227 34	2,051 56	8,921.98
Connecticut	1895	786,518 30	780.16	15,139,630 50	15,017 24	1,008.15
Ohio	1895	2,219,497 68	252.09	63,106,041 59	7,356 71	8,804.28
Average for entire United States, June 30, 1895	------	----------	----------	1,207,808,595 00	6,685 60	180,657.47

*Assessed valuation.

TAXES IN MICHIGAN.

The total amount of taxes due from railroads doing business in Michigan during the year ending December 31, 1895, and payable July 1, 1896, was $741,408.77, an increase over the previous year of $65,272.59, or 9.65 per cent.

The special charter roads contributed $71,915.00 of the above amount as follows:

Detroit, Grand Haven & Milwaukee	$25,171 40
Lake Shore & Michigan Southern	46,743 60

The following roads are located north of parallel 44 of latitude, and claim exemption under act No. 174, session laws of 1891:

Name.	Date commenced to be built.	Date commenced to be operated.	Miles.
Alpena & Northern Div. of Detroit & Mackinac	May, 1893	Nov. 18, 1893	84.70
Boyne City & Southeastern	April 26, 1893	Aug. 28, 1893	14.00
Chicago & North Michigan	May 15, 1891	June 26, 1892	92.63
Channing Div. of Chicago, Milwaukee & St. Paul	Feb., 1892	Jan. 1, 1893	47.05
Manistee & Northeastern	Oct. 1, 1891	July 1, 1892	24.00
Wisconsin & Michigan	April 4, 1894	Jan. 1, 1895	54.10

TAXES PAYABLE JULY 1, 1896.

Road No.	Railroads.	Miles of road in Michigan upon which taxes are based.	Gross earnings as reported for Michigan.	Gros earnings per mile of road operated in Michigan.	Per cent of taxation on taxable income.	Total taxes assessed for Michigan.	Taxes per mile of road operated in Michigan.
1	Ann Arbor	296.73	$994,070 19	$3,350 06	2.21	$21,884 45	$73 75
2	Toledo, Ann Arbor & North Michigan a						
3	Arcadia & Betsey River	17.50	960 33	54 87	2	19 20	1 09
4	An Sable & Northwestern	108	52,286 21	484 13	2	1,045 72	9 68
5	Bay City Belt Line b						
6	Boyne City & Southeastern c	14	17,901 29	1,278 66			
7	Buchanan & St. Joseph d						
8	Central Michigan d						
9	Chicago, Detroit & C. G. T. Junction	59.37	287,699 77	4,845 88	2.38	6,849 89	115 38
10	Chicago & Grand Trunk	224	1,989,525 15	8,658 59	2.85	55,151 01	246 34
11	Chicago, Kalamazoo & Saginaw	44.20	49,307 43	1,115 78	2	986 15	22 31
12	Chicago & Kalamazoo Terminal d						
13	Chicago, Milwaukee & St. Paul	105.03	190,220 42	1,811 11	2	3,804 41	36 22
13½	" " " Channing Division c	47.05	68,421 87	1,454 23			
14	Chicago & Northwestern	521.19	2,327,889 80	4,466 49	2.32	54,200 99	103 99
15	Chicago & West Michigan	448.66	1,451,842 15	3,235 95	2.20	31,809 45	70 90
16	Chicago & North Michigan c	92.62	160,694 39	1,734 99			
17	Cincinnati, Jackson & Mackinaw	172.18	316,544 80	1,838 45	2	6,330 90	36 77
18	Cincinnati, Saginaw & Mackinaw	53	135,782 90	2,561 00	2.11	2,863 32	54 02
19	Cleveland, Cincinnati, Chicago & St. Louis	33.40	133,377 03	3,993 35	2.25	3,000 43	89 83
20	Detroit, Grand Haven & Milwaukee g	189	1,013,320 62	5,361 48	2.48	25,171 40	133 18
21	Detroit, Lansing & Northern						
22	Grand Rapids, Lansing & Detroit	333.73	1,149,654 89	3,444 97	2.21	25,404 17	76 12
23	Saginaw & Western						
24	Detroit & Mackinac	168.30	260,205 61	1,546 08	2	5,204 11	30 92
24½	" " " Alpena & Nor. Div. c	84.70	104,188 72	1,230 09			
25	Duluth, South Shore & Atlantic	467.69	1,628,075 69	3,481 10	2.21	36,024 99	77 03
26	Flint & Pere Marquette	776.40	3,134,936 08	2,749 79	2.14	45,609 40	58 76
27	Gogebic & Montreal River (Operated by Wisconsin Central)	16.19	52,809 91	3,261 88	2.20	1,158 35	71 55
28	Grand Rapids & Indiana	383.21	1,752,815 53	4,574 03	2.34	41,058 17	107 23
29	Muskegon, Grand Rapids & Indiana	36.85	116,399 75	3,158 74	2.13	2,541 49	68 97
30	Traverse City	26	43,986 27	1,691 78	2	879 73	33 84
31	Hancock & Calumet	34.54	194,199 63	5,622 46	3.46	4,789 79	138 67
32	Indiana & Lake Michigan (Operated by Terre Haute & Indianapolis)	25.05	41,741 31	1,666 32	2	834 83	33 33
33	Iron Range & Huron Bay d						
34	Lake Shore & Michigan Southern g	187.30	1,199,873 59	6,406 69	3.90	46,743 60	249 56
35	Detroit & Chicago	57.65	41,712 35	723 54	2	834 25	14 47
36	Detroit, Hillsdale & Southwestern	65.20	39,960 92	613 20	2	799 22	12 26
37	Detroit, Monroe & Toledo	54.67	538,390 02	9,848 00	3.17	16,058 60	294 14
38	Fort Wayne & Jackson	44.54	89,020 84	1,998 67	2	1,780 42	39 97
39	Kalamazoo, Allegan & Grand Rapids	58.42	140,084 87	2,397 73	2.08	2,917 17	49 93
40	Kalamazoo & White Pigeon	36.57	96,164 19	2,629 59	2.11	2,038 40	55 74
41	Northern Central Michigan	61.14	108,847 96	1,698 20	2	2,076 96	33 97
42	Sturgis, Goshen & St. Louis	10.55	5,328 49	495 59	2	104 57	9 91
43	Lowell & Hastings	12.50	10,647 04	851 76	2	212 94	17 04
44	Manistee & Grand Rapids	31.23	37,837 73	1,211 56	2	756 75	24 23

45	Manistee & Northeastern	66.48	180,232 56	2,710 33	2.13	3,843 26	57 80
45½	" " " Supplementary c	24	25,369 49	1,057 06			
46	Manistique	59.50	117,228 07	1,970 22	2	2,344 56	39 40
47	Mason & Oceana	27	18,695 91	692 44	2	373 92	13 85
48	Michigan Air Line Railway	105.60	175,488 58	1,661 78	2	3,509 67	33 24
49	Michigan Central	221	4,190,375 31	18,960 97	3.50	145,515 01	658 44
50	Battle Creek & Sturgis	33.80	19,467 37	573 00	2	357 35	11 46
51	Bay City and Battle Creek	18	7,870 59	437 26	2	157 41	8 75
52	Canada Southern Bridge	3.66	2,076 30	567 30	2	41 53	11 35
53	Detroit & Bay City	155	652,721 23	4,211 10	2.29	14,981 64	96 33
54	Detroit, Delray & Dearborn	4.84	78 77	16 27	2	1 58	32
55	Grand River Valley	83.79	276,524 61	3,300 21	2.19	6,075 23	72 53
56	Jackson, Lansing & Saginaw	332.90	1,276,226 02	3,953 39	2.25	28,676 65	88 51
57	Kalamazoo & South Haven	39.50	57,134 04	1,446 43	2	1,142 68	28 93
58	Michigan Air Line R. R.	109.10	291,736 34	2,674 03	2.14	6,202 41	56 85
59	Michigan, Midland & Canada	14.68	8,074 99	550 06	2	161 50	11 00
60	Saginaw Bay & Northwestern	32.79	38,769 97	468 29	2	775 40	9 37
61	Toledo, Canada Southern & Detroit	47.27	721,938 15	15,272 65	3.35	24,150 53	510 91
62	Midland & Hubbard e						
63	Midland & Northern	10	1,468 33	146 83	2	29 37	2 94
64	Mineral Range	19.85	113,569 19	5,721 37	3.50	2,811 58	141 64
65	Minneapolis, St. Paul & Sault Ste. Marie	199.23	606,329 18	3,021 25	2.17	13,165 98	66 08
66	Munising d, c						
67	Pontiac, Oxford & Northern	100.20	110,215 85	1,102 15	2	2,204 32	22 00
68	Saginaw, Tuscola & Huron	66.57	114,170 99	1,715 05	2	2,288 42	34 30
69	Saginaw Valley & St. Louis	45.10	84,057 72	1,863 80	2	1,681 15	37 28
70	Saginaw & Grand Rapids						
71	Sault Ste. Marie Bridge Co.	.36	17,754 58	49,318 28	3.80	674 19	1,872 75
72	South Haven & Eastern	36.60	19,642 47	536 67	2	392 85	10 73
73	St. Clair Tunnel	1.12½	103,659 25	92,141 55	3.90	4,033 37	3,574 55
74	St. Joseph Valley d						
75	Superior Terminal d						
76	Toledo, Saginaw & Muskegon	96	94,968 78	989 26	2	1,899 38	19 79
77	Wisconsin & Michigan c	30.50	41,232 56	1,351 39			
78	Wabash	80.50	450,524 12	5,596 56	2	11,100 72	137 90
79	Detroit Union R. R. Depot & Station Co.	3.34	149,584 33	44,785 73	2.50	3,739 61	1,119 64
80	The Fort Street Union Depot Co.	1.41	123,474 31	87,570 43	2.50	3,086 86	2,189 26
	Total commercial roads	7,508.04½	$29,012,150 69	$3,864 14	2.5283	$736,407 30	$98 08
	ORE AND FOREST ROADS.						
1	Bear Lake & Eastern	18	$7,305 10	$405 84	2	$146 10	$3 12
2	Crawford & Manistee River	13	5,876 48	452 04	2	117 53	9 04
3	Dead River f						
4	Hecla & Torch Lake	7.50	84,493 56	11,265 81	3.11	2,629 74	350 63
5	Manistee & Luther	63	74,805 99	1,187 39	2	1,496 12	23 75
6	Quincy & Torch Lake	6	26,382 66	4,397 11	2.32	611 48	101 91
	Total ore and forest roads	107.50	$198,863 79	$1,849 90	2.5147	$5,000 97	$46 52
	Total all roads	7,615.54½	$29,211,014 48	$3,835 17	2.5283	$741,408 77	$97 35

a Included in A. A. R. R. nclu ed in F. & P. M.

c Exempt, north of parallel 44 of latitude.
d Not operated.

e Included in M. & N.
f Included in D. S. S. & A.

g Special charter.

Comparative table showing taxes for five years, 1891 to 1895, inclusive.

Road No.	Railroads.	1891.	1892.	1893.	1894.	1895.
1	Ann Arbor					$21,884 45
2	Arcadia & Betsey River					19 20
3	Au Sable & Northwestern	$1,611 47	$4,313 63	$2,830 41	$970 83	1,045 73
4	Chicago, Detroit & C. G. T. Junction	6,144 27	7,594 35	7,042 29	6,330 73	6,849 86
5	Chicago & Grand Trunk	80,935 68	83,059 06	93,895 99	55,422 30	55,181 01
6	Chicago, Kalamazoo & Saginaw	1,082 54	1,050 81	1,070 28	999 39	986 15
7	Chicago & Northwestern	81,304 94	101,243 07	53,577 34	35,659 87	54,200 99
8	Chicago, Milwaukee & St Paul			3,822 34	3,911 04	3,804 41
9	Chicago & West Michigan	36,323 80	40,748 90	36,105 88	29,520 30	31,809 45
10	Cincinnati, Jackson & Mackinaw	7,296 74	7,087 11	6,624 87	6,527 08	6,330 90
11	Cincinnati, Saginaw & Mackinaw	4,088 28	4,874 48	3,613 55	3,641 59	2,863 33
12	Cincinnati, Wabash & Michigan	2,155 44	1,149 31			
13	Cleveland, Cin., Chicago & St. Louis		1,459 37	2,299 54	2,299 26	3,000 43
14	Detroit, Bay City & Alpena	8,353 49	7,034 11	7,609 52	4,672 41	
15	Detroit & Mackinac					5,204 11
16	Detroit, Grand Haven & Milwaukee	25,171 40	25,171 40	25,171 40	25,171 40	25,171 40
17	Detroit, Lansing & Northern					
18	Grand Rapids, Lansing & Detroit	28,115 69	28,402 51	26,790 13	24,130 88	25,404 17
19	Saginaw & Western					
20	Duluth, South Shore & Atlantic	39,006 40	40,957 95	40,991 87	33,416 70	36,024 99
21	Flint & Pere Marquette	55,896 86	56,754 33	50,575 96	44,102 11	45,809 40
22	Frankfort & Southeastern	682 99	276 15			
23	Grand Rapids & Indiana	51,762 40	54,786 07	44,992 56	37,098 06	41,068 17
24	Muskegon, Grand Rapids & Indiana	4,315 70	4,442 71	2,921 46	2,274 73	2,541 49
25	Traverse City	869 94	1,148 96	1,063 95	880 88	879 73
26	Hancock & Calumet	4,876 04	5,213 46	4,703 69	5,082 39	4,789 79
27	Indiana & Lake Michigan	425 46	663 78	682 45	718 86	834 83
28	Jefferson avenue	39 48	212 36			
29	Lake Shore & Mich. Southern System	46,743 60	46,743 60	46,743 60	46,743 60	46,743 60
30	Detroit & Chicago	723 90	778 51	896 55	908 80	834 25
31	Detroit, Hillsdale & Southwestern	834 81	898 74	844 16	805 19	799 23
32	Detroit, Monroe & Toledo	16,203 26	18,341 69	15,078 00	11,087 36	16,068 60
33	Fort Wayne & Jackson	2,056 50	2,227 68	1,666 18	1,499 81	1,780 42
34	Kala., Allegan & Grand Rapids	3,268 44	3,642 96	3,170 85	2,765 54	2,917 17
35	Kalamazoo & White Pigeon	2,443 35	2,527 45	2,195 26	1,918 55	2,038 40
36	Northern Central Michigan	1,850 80	1,981 18	1,926 63	1,889 01	2,076 96
37	Sturgis, Goshen & St. Louis	122 25	120 70	86 88	71 63	104 57
38	Lowell & Hastings	211 10	244 86	252 30	266 46	212 94
39	Manistee & Northeastern	2,300 82	2,544 38	3,751 62	2,899 05	3,842 26
40	Manistee & Grand Rapids			685 90	834 73	756 75
41	Manistique	2,608 57	1,715 53	1,488 38	1,250 04	2,344 56
42	Mason & Oceana	806 91	764 79	398 38	492 99	373 92
43	Michigan Air Line Railway	3,086 21	3,362 48	3,531 45	3,915 83	3,509 67
44	Michigan Central System	134 063 20	134,063 20	134,063 20	130,152 92	145,515 01
45	Battle Creek & Sturgis	398 36	419 23	400 25	371 30	387 35
46	Bay City & Battle Creek	166 34	198 78	231 71	154 44	157 41
47	Canada Southern Bridge	24 57	27 32	31 87	39 37	41 53
48	Detroit & Bay City	20,641 93	20,006 83	17,266 28	14,079 49	14,931 64
49	Detroit, Delray & Dearborn					1 58
50	Grand River Valley	14,934 00	14,934 00	14,934 00	6,166 47	6,075 22
51	Jackson, Lansing & Saginaw	39,207 81	36,590 73	32,256 09	28,717 05	28,676 65
52	Kalamazoo & South Haven	1,141 05	1,166 06	1,183 78	1,036 88	1,142 68
53	Michigan Air Line R. R.	5,480 01	5,343 87	5,324 61	4,991 75	6,202 41
54	Michigan, Midland & Canada	169 47	175 53	146 95	137 91	161 50
55	Saginaw Bay & Northwestern	2,156 34	1,566 05	1,057 48	685 68	775 40
56	Toledo, Can. Southern & Detroit	20,588 61	23,064 42	22,231 05	19,867 96	24,150 53
57	Midland & Northern				63 57	29 37
58	Milwaukee, Lake Shore & Western	12,791 96	10,505 55			
59	Milwaukee & Northern	7,509 38	3,381 54			
60	Mineral Range	4,160 19	3,497 34	2,785 22	2,812 59	2,811 58

Comparative Table—CONCLUDED.

Road No.	Railroads.	1891.	1892.	1893.	1894.	1895.
61	Minn., St. Paul & Sault Ste. Marie	$11,418 52	$13,384 19	$16,872 10	$10,448 87	$13,165 93
62	Ontonagon & Brule River	980 30	1,329 86	.....	.....	.....
63	Pontiac, Oxford & Northern	2,145 56	2,563 52	2,568 88	2,325 18	2,204 32
64	Saginaw, Tuscola & Huron	2,135 63	2,475 49	2,514 58	2,371 98	2,233 42
65	Saginaw Valley & St. Louis	1,888 89	1,900 56	1,862 85	1,718 82	1,681 15
66	Saginaw & Grand Rapids					
67	St. Clair Tunnel	543 20	3,479 77	4,877 09	4,225 65	4,033 87
68	St. Joseph Valley	92 58	31 89	36 16	.....	.....
69	Toledo, Ann Arbor & North Mich.	21,208 53	24,024 87	23,474 85	20,905 78	.....
70	Toledo, Saginaw & Muskegon	2,304 50	2,531 30	2,160 57	1,920 27	1,899 38
71	Toledo & South Haven	540 76	518 58	464 99	425 35	392 85
72	Wabash	13,347 26	11,638 88	11,866 55	9,220 77	11,100 72
73	Wis. Cent. (Gogebec & Montreal Riv.)	475 08	1,443 54	683 23	833 84	1,158 35
74	Detroit, Union R. R. Dpt. & Station Co.	3,130 17	3,523 89	4,088 60	4,133 29	3,739 61
75	Fort St. Union Depot Co.	.....	.....	2,860 21	3,174 65	3,086 86
76	.....	.....	.....	.....	.....	.....
77	.....	.....	.....	.....	.....	.....
78	Sault. Ste. Marie Br. Co.	.....	.....	907 59	667 32	674 19
	Total commercial roads	$348,349 73	$387,344 19	$305,272 37	$670,529 00	$736,407 80
	ORE AND FOREST ROADS.					
1	Bear Lake & Eastern	$231 19	$224 76	$156 80	$126 25	$146 10
2	Crawford & Manistee River	263 68	148 99	174 70	155 77	117 53
3	Hecla & Torch Lake	3,267 11	3,092 47	3,187 84	2,659 41	2,629 74
4	Lake County	288 44	251 27	107 71	.....	.....
5	Manistee & Luther	2,254 85	2,280 40	1,428 24	2,052 27	1,496 12
6	North Branch & Sauble River	181 49	95 36	181 42	70 00	.....
7	Quincy & Torch Lake	335 22	424 57	547 57	543 48	611 48
8	Grass Lake & Manistee	162 41	.....	.....	.....	.....
	Total ore and forest roads	$6,984 39	$6,517 82	$5,784 28	$5,607 13	$5,000 97
	Total all roads	$354,334 12	$393,762 01	$311,056 65	$676,136 18	$741,408 77

CORPORATIONS.

Eighty-five companies filed reports with the Commissioner of Railroads for the year ending December 31, 1895, an increase of five over 1894. Seventy-three roads do a general business, two provide terminal, and two transfer facilities. Six are used for transporting mining and forest products and two are belt lines. Forty-eight corporations control the entire traffic of the State. The following eight companies filed reports for the first time: Arcadia & Betsey River Ry.; Detroit, Delray & Dearborn R. R.; Munising Ry.; Iron Range & Huron Bay R. R.; Superior Terminal Ry.; Buchanan & St. Joseph R. R.; Central Michigan R. R., and Chicago & Kalamazoo Terminal R. R. The last three were in process of construction, and the last six, together with the St. Joseph Valley Ry., were not operated during 1895. The Gogebic & Montreal River R. R. and Cincinnati, Jackson & Saginaw Ry. were in the hands of receivers at the close of 1895.

Charles M. Heald was appointed receiver for the Detroit, Lansing & Northern system about April 1, 1896, and in November the roads were sold under mortgage, and will be reorganized January 1, 1897, as the Detroit, Grand Rapids & Western R. R. The Grand Rapids & Indiana *Railroad* was sold under a mortgage and filed articles of incorporation July 11, 1896, as the Grand Rapids & Indiana *Railway*.

The Jackson & Cincinnati Ry. from Addison Junction to Jackson, operated by the Cincinnati, Jackson & Mackinaw Ry., was opened for traffic in June, 1896.

The Detroit & Cincinnati Ry., running from the State line and connecting with the Wabash R. R. at Detroit Junction, and operated by the Lima Northern Ry. was opened for traffic July 27, 1896.

The extension of the Detroit & Mackinac Ry. from Emery Junction to Bay City, was opened for traffic September 20, 1896.

The Lake Superior & Ishpeming Ry., running from the Cleveland mine near Negaunee to Marquette, was opened for the transportation of ore during the summer of 1896.

The North Branch & Sauble River R. R., an ore and forest road, has disappeared from the list of railroads. It was not operated in 1895 as the iron was taken up and the road abandoned.

The usual statement showing articles of association filed by new roads, amendments of charters, and other changes affecting the status of railroad companies since the close of the preceding report, will be found in the Appendix.

ANNUAL INSPECTION

WITH

ABSTRACT OF TRANSFERS AND CONSOLIDATIONS OF THE VARIOUS RAILROADS IN THE STATE.

An inspection of all general traffic lines in the State has been made in compliance with the law. A brief statement is here made of the general condition of each road, and in connection therewith, in answer to many inquiries continually coming to this department, is an abstract of transfers and consolidations of the principal railroads as far as the records of this office will permit.

ANN ARBOR RAILROAD.

This road extends from Toledo, Ohio, to Frankfort, Mich., a distance of nearly 287 miles in Michigan. At Frankfort it connects by boats (which are so constructed as to carry loaded cars) with Menominee, Gladstone and points in Wisconsin. This road in connection with its boats or ferries forms one of the outlets for the products of the northwest. In proportion to the number of miles operated, this company has expended more money in improvements during the past year than any other company in the State. The chief items of improvement are the change in the line between Ann Arbor and Whittemore Lake, reducing the distance about three miles, the construction of new line between Hamburg and Hamburg

Junction, the reduction of grades by deepening cuts and filling embankments, and the construction of a new passenger depot and terminal at Toledo, which is modern in design and complete in its appurtenances.

This company filed articles September 21, 1895, and bought at mortgage sale the Toledo, Ann Arbor & North Michigan Railway. This last named road filed articles November 16, 1882, and amended same May 22, 1890, and has consolidated with various roads as follows:

Consolidated April 20, 1888, with the Toledo, Ann Arbor & Cadillac Railway, which company filed articles June 22, 1886.

Consolidated January 26, 1887, with the Toledo, Ann Arbor & Mt. Pleasant Railway, which filed articles February 12, 1884. This last named road was formerly known as the Lansing, Alma, Mt. Pleasant & Northern Railroad, the name being changed by amended articles filed May 7, 1886.

Consolidated July 29, 1884, with the Toledo, Ann Arbor & Grand Trunk Railway. This last named road was formed by the consolidation of two other roads, articles filed October 15, 1880, and amended October 24, 1882. The two roads are as follows:

(1.) Toledo, Ann Arbor & Northeastern Railroad, which filed articles September 26, 1878.

(2.) Toledo & Ann Arbor Railroad, which company filed articles November 23, 1877, and amended the same Aug. 1, 1878. This road bought at mortgage sale the Toledo, Ann Arbor & Northern Railroad, which last road filed articles November 26, 1869.

The Toledo & Ann Arbor Railroad consolidated with the Toledo & State Line Railroad, articles filed May 24, 1878.

Escanaba, Frankfort & Southeastern Railroad.

The Escanaba, Frankfort & Southeastern Railroad and the Ann Arbor Railroad are practically one and the same corporation with separate and distinct franchises. The E., F. & S. E. R. R. does not make a separate report to this department. It filed articles July 9, 1895, and bought at mortgage sale the Frankfort & Southeastern Railroad, which company filed articles December 2, 1895, and amended the same October 8, 1888. It was originally a narrow gauge road.

AU SABLE & NORTHWESTERN RAILROAD.

This is a narrow gauge road extending from Au Sable to Lewiston, and is used mainly in the transportation of logs and forest products. A light passenger and public traffic is carried and with the exception of extensive tie renewals required, the condidtion of the road is good.

This company filed articles July 17, 1891.

ARCADIA & BETSEY RIVER RAILWAY.

This road is really a reconstruction of an old road formerly chartered as a train railway, and extends from Arcadia on Lake Michigan to Station Henry on the Chicago and West Michigan near Copemish, a distance of 17½ miles.

This company filed articles of association September 25, 1895.

BAY CITY BELT LINE RAILROAD.

This company filed articles June 3, 1889, and amended the same July 30, 1889. This company has leased 6.21 miles of its road to the Flint & Pere Marquette Railroad, and the remainder or 1.88 miles to the Michigan Central Railroad. (P. 11, Com. Report, 1894.)

BOYNE CITY & SOUTHEASTERN RAILROAD.

This company filed articles May 3, 1893, and amended the same August 24, 1894. This road extends from Boyne City to Boyne Falls, in Charlevoix county, is twelve miles in length and is used mainly as a lumber road.

GRAND TRUNK RAILWAY SYSTEM—WESTERN DIVISION.

The Chicago & Grand Trunk Ry.; Detroit, Grand Haven & Milwaukee Ry.; Cincinnati, Saginaw & Mackinaw R. R.; Toledo, Saginaw & Muskegon Ry.; Chicago, Detroit & Canada Grand Trunk Junction Ry. and the Michigan Air Line Ry., which were formerly known as the Grand Trunk Lines west of the St. Clair Tunnel, are now operated under the new title of the Grand Trunk Railway—Western Division. The St. Clair Tunnel forms the connecting link between the Eastern and Western divisions of the Grand Trunk Railway System. The main line of the Chicago & Grand Trunk Ry. in this State was never in better condition than at present. Over 100 miles of new steel rails, 67 pounds to the yard, and a large number of oak ties have been put in the track during the year. The permanent way on the other lines of this system is well maintained, but it seems necessary that some of the station buildings should be renewed or improved, in the near future, to meet the general requirements.

Chicago & Grand Trunk Railway.

This road extends from Chicago, Ill., to Fort Gratiot, Mich., and was formed by the consolidation of five other companies. Articles filed April 6, 1880, and amended October 7, 1887. (P. 18, Com. Report, 1880.) The five other companies are:

(1.) Grand Trunk Railway extending from Chicago to Valparaiso.

(2.) Indiana Railway extending from Valparaiso to Michigan State line.

(3.) Michigan Railway extending from State line to Lansing. This company filed articles January 7, 1880, and bought at mortgage sale that part of the Chicago & Lake Huron Railroad which was formerly owned by the Peninsular Railway. The Chicago & Lake Huron Railroad was a consolidation of two roads, articles filed August 15, 1873.

(a.) Port Huron & Lake Michigan Railroad.

(b.) Peninsula Railway, articles of consolidation filed April 30, 1870.

(1.) Peninsular Railway of Illinois.

(2.) Peninsular Railroad of Indiana.

(3.) Peninsular Railway of Michigan, articles of consolidation filed February 17, 1868.

(a.) Peninsular Railway, articles filed October 3, 1865.

(b.) Peninsular Railway Extension Co., articles filed January 3, 1868.

(4.) Chicago & Northeastern Railway, extending from Lansing to Flint, articles filed August 12, 1874.

(5.) Northeastern Grand Trunk Railway, extending from Flint to Port Huron, articles filed January 7, 1880. This company bought that part of the Chicago & Lake Huron Railroad formerly owned by the Port Huron and Lake Michigan Railroad. (See Michigan Railway above.)

For a few months previous to the permanent organization and consolidation of the five roads to form the C. & G. T. Ry. the property was operated by the Northwestern Grand Trunk Railway (pp. 25, 39 and 51, Com. Report, 1879). The Chicago & Northeastern Railroad was operated by the receiver of the Chicago & Lake Huron Railroad, for the year 1877 (p. 48, Com. Report, 1877). This road is operated under traffic agreement with the Grand Trunk Railway of Canada (p. 27, Com. Report, 1894).

Chicago, Detroit & Canada Grand Trunk Junction Railway.

This company filed articles July 9, 1859, is operated by the Grand Trunk Railway of Canada (p. 23, Com. report, 1884), (p. 22, Com. report, 1895), and extends from Detroit to Port Huron.

Cincinnati, Saginaw & Mackinaw Railroad.

This company filed articles December 30, 1889, and was operated by the Toledo, Ann Arbor & North Michigan until November 1, 1890, when it passed into the hands of the C. & G. T. Ry., and is now operated under traffic agreement with the C. & G. T. Ry. and the G. T. Ry. of Canada (p. ii, Com. report, 1889), (p. iv, Com. report, 1890), (p. 80, Com. report, 1891), (p. 95, Com. report, 1895). The road extends from Durand to Bay City.

Toledo, Saginaw & Muskegon Railway.

This company filed articles January 25, 1886, and amended the same February 16, 1886. This property was operated from January 1, to August 1, 1888, by the construction company. The property then passed into the hands of the present company. It is now operated under traffic agreement with the Chicago & G. T. Ry., and the G. T. Ry. of Canada, and extends from Ashley to Muskegon.

Detroit, Grand Haven & Milwaukee Railway.

Detroit & Pontiac Railroad was chartered to build a road from Detroit to Pontiac by act of the territorial legislature. Act approved March 7, 1834.

Oakland & Ottawa Railroad was chartered to build a road from Pontiac to Lake Michigan. Act approved April 3, 1848.

The above roads authorized to consolidate by an act of the legislature approved February 3, 1855. Roads consolidated April 21, 1851, as the Detroit & Milwaukee Railway.

The Detroit & Milwaukeee Railway sold on mortgage foreclosure, October 4, 1860, and was then operated as the Detroit & Milwaukee Railroad.

The property was again sold on a mortgage September 4, 1878, and has since been known as the Detroit, Grand Haven & Milwaukee Railway (iv, Com. report, 1878).

The consolidated company has been recognized by the following acts of the Michigan legislature:

Act	No.	123,	session laws of	1857,	relative to	offices in London.
"	"	126,	" " "	1857,	"	" land grant.
"	"	14,	" " "	1858,	"	" vote by proxy.
"	"	34,	" " "	1859,	"	" consol, with P. H. & M. Ry.
"	"	37,	" " "	1859,	"	" legalize certain loans.
"	"	94,	" " "	1861,	"	" issue of certain stock.

This road is one of the special chartered roads of the State and extends from Detroit to Grand Haven. It is operated under traffic agreement with the G. T. Ry. of Canada. For a more detailed history see Com. report, page xiii, 1873.

Michigan Air Line Railway.

This company filed articles November 23, 1875, and amended the same August 14, 1880, and March 4, 1882, and bought at mortgage sale that part of the Michigan Air Line *Railroad* which was constructed at that time from Ridgeway to the Detroit & Milwaukee crossing near Pontiac (p. i, Com. report, 1875). From 1872 to the date of this sale, the St. Clair & Chicago Air Line Railroad which was formerly known as the St. Clair River, Pontiac & Jackson Railroad (the name being changed in amended articles filed October 2, 1872, original articles filed April 8, 1872), leased the eastern portion of the Michigan Air Line *Railroad* (p. 169, Com. report, 1872).

In 1884 the Toledo, Ann Arbor & Grand Trunk Railway abandoned its road from South Lyons to Pontiac and sold the same to the Michigan Air Line *Railway*. See Com. reports (p. iii, 1884), (p. 124, 1886).

This road has since been extended to Jackson by the present company which made use of about thirty miles of road that was partially constructed by the Michigan Air Line *Railroad* extending east from Jackson. The road now extends from Lenox to Jackson, and is operated with the Grand Trunk railway of Canada under traffic agreement. (P. 171 Com. report 1887), (p. 158 Com. report, 1885). The remainder of the Michigan Air Line *Railroad* now forms a part of the Michigan Central system.

St. Clair Tunnel Company.

This company was formed by the consolidation of two other companies as follows, articles filed November 23, 1886:
(1.) Port Huron Railroad Tunnel Company which filed articles October 11, 1886.
(2.) St. Clair Frontier Tunnel Company.

CHICAGO, KALAMAZOO & SAGINAW RAILWAY.

This road extends from Kalamazoo to Woodbury, a distance of 44.2 miles and is generally well maintained. New terminal facilities are contemplated at Kalamazoo which will be an advantage to this road.

This company filed articles July 3, 1883, and amended the same December 10, 1887 and is in the hands of the Kalamazoo & Hastings Construction Company (Limited) which company has operated the road on its own account since its construction.

CHICAGO, MILWAUKEE & ST. PAUL RAILWAY.

The physical condition of this road in Michigan is materially improved, and is satisfactory to this department. The four deck trestle across the basin about two miles north of Sidnaw, which is the largest wooden trestle in the State, will be replaced by a steel structure during the coming year.

The revenues of this road in Michigan were materially affected by the burning of Ontonagon, and the train service was reduced on that branch. Complaints that service required by law is not provided, have recently come to this office, and are now being investigated.

This company has filed no articles in this State. It has operated the Milwaukee & Northern Railroad as its Superior Division, since July 1, 1893. (P. iii, Com. report 1890) (p. v, Com. report 1893).

The M. & N. R. R. has consolidated as follows:—

Consolidated January 6, 1887, with the Republic Branch Railroad which filed articles September 28, 1881.

Consolidated in 1887 with the Menominee Branch which filed articles July 9, 1883.

The Ontonagon & Brule River Railroad which filed articles September 10, 1880, and amended the same April 9, 1881, forms a part of the Milwaukee & Northern, extending from Sidnaw to Ontonagon.

The only portion of this road in the State is in the Upper Peninsula and it extends from Menominee River to Champion and from Channing to Ontonagon.

CHICAGO & NORTH WESTERN RAILWAY.

This road has extensive lines throughout the Upper Peninsula, which were found on the annual inspection to be in exceptionally good shape. The improvements made are of permanent character and in accordance with the excellent standard of construction adopted by this company.

This company amended its articles of association June 28, 1870, and has consolidated with various roads as follows:

1. Consolidated June 7, 1865, with the Peninsula (r) Railroad which road filed articles April 22, 1862, and amended the same March 26, 1863, and July 14, 1863.

2. Consolidated September 19, 1882, with the following roads:

(a.) Menominee River Railroad which filed articles February 16, 1875, and amended the same September 21, 1881. They consolidated with the Menominee Railway of Wisconsin November 15, 1880. The entire capital stock is owned by the C. & N. W. Ry. (p. 65, Com. report 1881).

(b.) Escanaba & Lake Superior Railway, which filed articles September 29, 1881, and amended the same July 2, 1882.

3. Consolidated June 13, 1883, with the following roads:

(a.) Chicago, Milwaukee & Northern Ry.

(b.) Elgin & State Line Railroad.

The Milwaukee, Lake Shore & Western Railway was merged and commenced to be operated by the C. & N. W. Ry., September 1, 1893. The C. & N. W. Ry. owns a large amount, if not all, the stock of this company, which was formerly a Wisconsin corporation and consolidated articles filed May 4, 1883, with the Vieux Desert & Lake Superior Railroad which company filed articles September 28, 1881.

Iron Range Railway which filed articles August 18, 1887, was sold to the Chicago & Northwestern Railway, June 10, 1889.

Iron River Railway which filed articles October 11, 1886, was also sold to the C. & N. W. Ry., June 10, 1889.

CHICAGO & WEST MICHIGAN RAILWAY.

The general maintenance of the permanent way and equipment of this road is good and train service rendered is in every way satisfactory to this department. Several station buildings were noted as requiring repair or renewal at an early date.

This road was formed October 1, 1881, by the consolidation of four other roads as follows:

1. Chicago & West Michigan *Railroad* which filed articles December 28, 1878, and amended the same May 2, 1881, and bought at mortgage sale the Chicago & Michigan Lake Shore Railroad which was to extend from St. Joseph to Indiana state line. This last named railroad has consolidated with various roads since its organization as follows:

(a.) Consolidated July 19, 1869, with the Lake Shore Railroad of Western Michigan which filed articles July 3, 1869, and was to extend from St. Joseph to Muskegon.

(b.) Consolidated October 24, 1872, with the Muskegon and Big Rapids Railroad which filed articles December 7, 1871, and was to extend from Muskegon to Big Rapids.

(c.) Consolidated December 19, 1871, with the Montague, Pentwater & Manistee Railroad which filed articles July 11, 1871, and was to extend from Montague to Manistee.

(d.) Consolidated September 24, 1870, with the Grand Rapids & Lake Shore Railroad which filed articles February 11, 1869, and amended the same June 4, 1870, and was to extend from Grand Rapids to Whitehall via Muskegon.

(e.) Consolidated December 19, 1871, with the Grand Rapids & Holland Railroad which filed articles April 17, 1871, and extends from Grand Rapids to Holland.

2. Grand Rapids, Newaygo & Lake Shore Railroad (p. 218, Com. report, 1881), which filed articles September 11, 1869, and amended the same March 15, 1877, and was to extend from Grand Rapids to Manistee.

3. Grand Haven Railroad (p. 189, Com. report 1881) which filed articles September 27, 1878, and bought at mortgage sale the Michigan Lake Shore Railroad which was to extend from Ferrysburg to Holland. The last named company filed articles February 15, 1869, and amended the same November 9, 1869, and consolidated October 13, 1869, with the Muskegon & Ferrysburg Railroad which filed articles January 22, 1869, and was to extend from Ferrysburg to Muskegon.

4. Indiana & Michigan Railroad which was an Indiana corporation.

White River Railroad which filed articles November 14, 1879, was consolidated with the Chicago & West Michigan Railway in 1884 (p. ii, Com. report 1885).

Grand Rapids Transfer & Junction Railroad is operated by the C. & W. M. Ry. under verbal lease. (P. 490, Com. report 1885.)

Chicago & North Michigan.

This road filed articles March 2, 1891, and is that part of the Chicago & West Michigan Railway which is north of parallel 44 of latitude.

CINCINNATI, JACKSON & MACKINAW RAILROAD.

There are many marked improvements in the general status of this road in Michigan. A large number of bridges have been filled with earth, and special attention has been given to strengthening others to carry the heavier locomotives and other rolling stock recently placed on the road. The new extension from Jackson to Addison, which was put into operation early in this year, was found in good serviceable condition.

This company was formed by the consolidation of two roads; articles filed March 12, 1886, and amended May 7, 1887, and May 25, 1887. The two roads were:

(1.) Cincinnati, Van Wert & Michigan Railroad.
(2.) Jackson & Ohio Railroad.

The Michigan & Ohio Railroad was sold to the C. J. & M. R. R.; articles filed August 15, 1887. The Michigan & Ohio Railroad was formed by the consolidation of two roads, articles filed October 9, 1883, (p. 513, Com. report 1888).

(1.) Toledo & Milwaukee Railway which filed articles August 8, 1879, and bought at mortgage sale, October 19, 1883, the:
Allegan & Southeastern Railroad, which filed articles January 22, 1878, and bought at mortgage sale the Mansfield, Coldwater & Lake Michigan Railroad, which was formed by the consolidation of two roads. Articles of consolidation filed May 23, 1871.
(a.) Mansfield, Coldwater & Lake Michigan Railway.
(b.) Ohio & Michigan Railway which filed articles May 21, 1870.
The Toledo & Milwaukee Railway consolidated with the Toledo and Michigan Railway, articles filed October 9, 1883.
(2.) Toledo & Michigan Railway, an Ohio corporation.

The Allegan & Southeastern Railroad was operated by the Grand Rapids and Indiana Railroad from January 1, 1879, to October 19, 1882.

The Jackson & Cincinnati Railway is a new road extending the Cincinnati, Jackson & Mackinaw Railroad from Addison Junction to Jackson.

This road is situated in the southern part of the State and extends from Dundee to Allegan, and from Jackson south to the State line.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY.

This road in Michigan extends from Benton Harbor to State line near Grangers, about 34 miles, and excepting boundary fences, of which there has been considerable complaint, is in good condition and service is satisfactory. A large proportion of old fence has been replaced or repaired, and it is promised that it will all be in good shape during the coming year.

This company filed no articles in this State and for its organization outside of the State see p. 95, Com. report 1893. The only part of this road in the State is the Cincinnati, Wabash & Michigan Railway which is a leased line and was formed (articles filed August 11, 1882), by the consolidation of two roads:

(1.) Cincinnati, Wabash & Michigan Railway of Indiana.
(2.) Elkhart, Niles & Lake Michigan Railroad, which filed articles June 19, 1880.

The accounts of the C., C., C. & St. L. Railway and the C., W. & M. Railway were consolidated July 1, 1892.

DETROIT, LANSING & NORTHERN RAILROAD SYSTEM.

This road which is operated in connection with, and under the same general officers as the C. & W. M. Ry. is well conditioned, and service is first-class.

This property has lately been sold at mortgage sale, and the terms of reorganization arranged to take effect January 1, 1897, under the title of Detroit, Grand Rapids & Western Railroad Company, when the receivership spoken of will expire.

The following is an abstract of the roads comprising the above named system:

Detroit, Lansing & Northern Railroad.

This company filed articles December 7, 1876, and amended the same December 8, 1879, and bought at mortgage sale the Detroit, Lansing & Lake Michigan Railroad, and also consolidated later with the Ionia, Stanton & Northern Railroad which filed articles December 11, 1870.

The Detroit, Lansing & Lake Michigan Railroad was a consolidation of two other roads, articles of consolidation filed April 11, 1871, the two roads are:

(1.) Ionia & Lansing Railroad filed articles February 26, 1866, and amended the same February 5, 1869.

(2.) Detroit, Howell & Lansing Railroad filed articles of consolidation April 11, 1870, and was composed of the following two roads:

(a.) Detroit & Howell Railroad, articles filed September 21, 1864.

(b.) Howell & Lansing Railroad, articles filed June 23, 1868.

This road now extends from West Detroit to Howard City.

Grand Rapids, Lansing & Detroit Railroad.

This company filed articles May 17, 1887, and has been leased and operated by the Detroit, Lansing & Northern Railroad since its completion (p. 20, Com. report 1889). The road extends from Grand Ledge to Grand Rapids.

Saginaw & Western Railroad.

This company filed articles June 7, 1885, and bought at mortgage sale the Chicago, Saginaw & Canada Railroad, which road filed articles January 4, 1873, and amended the same August 22, 1873. The Saginaw & Western leased the road to the Detroit, Lansing & Northern for 30 years from July 1, 1883. The road extends from Alma to Howard City, a distance of 42.57 miles.

Saginaw Valley & St. Louis Railroad.

This company filed articles May 18, 1871, and amended the same July 24, 1878, and June 24, 1882. This road has been leased to the Detroit, Lansing & Northern Railroad.

Saginaw & Grand Rapids Railroad.

This road was built by the owners of the Saginaw Valley & St. Louis Railroad and has been leased to that company. The company filed articles October 23, 1878.

DETROIT & MACKINAC RAILWAY.

Important changes have taken place on this line during the year which have greatly improved the property and service rendered to the patrons of the road. The new extension from Emery Junction to Bay City, 47 miles in length, was completed and put into operation September 20, 1896, and the operation of the road from Alger to Prescott (11 miles) was discontinued. The construction of the new extension named above was found first-class, and the general maintenance of the line is safe and efficient.

This company filed articles December 29, 1894, and is composed of the following roads:

(1.) Alpena & Northern Railroad, which filed articles November 1, 1893, was sold to the present company in April, 1895.

(2.) Detroit, Bay City & Alpena Railroad, which was formerly known as the Bay City & Alpena Railroad, name being changed in amended articles filed June 18, 1883. Original articles were filed January 18, 1881. The road was sold under mortgage to the present company in February, 1895.

(3.) Tawas & Bay County which filed articles February 19, 1880, was reorganized and became a part of the Detroit, Bay City & Alpena Railroad in 1883.

The road was changed from a narrow to a standard gauge in 1886. At present the road extends from Bay City to Alpena and from there 50 miles to the north and west with a prospective terminus at Mackinaw.

DULUTH, SOUTH SHORE & ATLANTIC RAILWAY SYSTEM.

This is the most extensive railroad property in the upper peninsula, and with the Hancock & Calumet Railroad, and the Mineral Range Railway, which are operated in connection, comprises about 450 miles of main line. The condition of track and equipment is generally good, though some of the large trestles on the eastern division require close attention, and must be renewed in the near future.

Duluth, South Shore & Atlantic Railway.

This road was formed by the consolidation of four roads (iv Com. report, 1887). Articles of consolidation filed March 9, 1887. Amended August 20, 1888.

(1.) Sault Ste. Marie & Marquette Railroad, which filed articles February 6, 1880.

(2.) Mackinaw & Marquette Railroad, which filed articles December 20, 1886, and bought at mortgage sale the Detroit, Mackinac & Marquette Railroad. This last road filed articles August 21, 1879.

(3.) Wisconsin, Sault Ste. Marie & Mackinac Railway, which filed articles September 7, 1886.

(4.) Duluth, Superior & Michigan Railway, a Wisconsin corporation.

The D., S. S. & A., bought July 17, 1890, the Marquette & Western, which filed articles October 12, 1883, and the Marquette, Houghton & Ontonagon Railroad, which was formed by the consolidation of two roads. Articles of consolidation filed March 16, 1874.

(1.) Marquette & Ontonagon Railroad, which filed articles January 2, 1863, and consolidated. Articles of consolidation filed August 24, 1871, with the:

Bay De Noquet & Marquette Railroad, which filed articles December 27, 1856.

(2.) Houghton & Ontonagon Railroad, which filed articles January 17, 1870, and amended the same September 5, 1872, and January 25, 1872. This road also consolidated, articles of consolidation filed April 19, 1883, with the:

Houghton & L'Anse Railroad, which filed articles June 14, 1881.

Prior to the sale of these two roads to the D., S. S. & A. Railway, they were operated under a perpetual lease by the D., S. S. & A. Railway. See Com. report, 1888. This road has since constructed a line from Soo Junction to Sault Ste. Marie.

The Mineral Range Railroad and the Hancock & Calumet Railroad came under the control of, and have been operated as a part of this system since October 1, 1893.

The D., S. S. & A. Ry. and the M., St. Paul & Sault Ste. Marie Ry. came under the control of the Canadian Pacific in 1890.

Hancock & Calumet Railroad.

This company filed articles January 14, 1885, and amended the same July 6, 1886, and leased the road in perpetuity to the Mineral Range Railroad in 1885. The property is now operated by the Duluth, South Shore & Atlantic Railway.

The road is situated in Keweenaw and Houghton counties. It is 21.12 miles in length.

Mineral Range Railway.

This company filed articles November 3, 1871. It changed hands and acquired, by perpetual lease, the Hancock & Calumet Railroad in 1886. The entire property is now operated by the Duluth, South Shore & Atlantic Railway.

FLINT & PERE MARQUETTE RAILROAD.

General improvement is noted in the maintenance of this road, and the service rendered is very satisfactory to this department.

An extension of the southern division from Monroe to the State line was completed and put into operation November 15, 1896. The road is connected with the Ann Arbor Railroad near State line, and uses the terminal facilities of that road in Toledo. In addition to their present fleet of boats, a large car ferry with a capacity of 26 loaded cars is being built, and will soon be put in service between Ludington and points in Wisconsin and Northwestern Michigan. Their facilities for lake traffic and the Toledo extension above referred to will make this road an important factor in interstate traffic.

This company filed articles August 31, 1880, and bought at mortgage sale the Flint & Pere Marquette Railway, which company filed articles January 28, 1857, and amended the same August 4, 1857, and June 4, 1872, and October 14, 1872.

Since its organization it has consolidated with the following roads:

(1.) Consolidated September 2, 1868, with the Flint & Holly Railroad. The last named road was originally known as the Flint & Fentonville Railroad, (the name being changed in amendatory articles filed October 16, 1863), which filed articles January 3, 1863.

(2.) Consolidated June 4, 1872, with the following four roads:
- (a.) Bay City & East Saginaw Railroad, which filed articles April 8, 1864.
- (b.) Holly, Wayne & Monroe Railway, which filed articles March 8, 1868.
- (c.) Flint River Railroad, which filed articles December 6, 1871.
- (d.) Cass River Railroad, which filed articles December 12, 1871.

(3.) Consolidated, under enabling act No. 10, session laws of 1889, with the Port Huron & Northwestern Railroad, which filed articles January 28, 1882, and amended the same March 23, 1878; January 21, 1880; December 10, 1880, and October 28, 1881. This last named road was all a narrow gauge road till 1889. It also consolidated (articles of consolidation filed December 9, 1882), with the: Port Huron & Southwestern, which filed articles January 28, 1882.

(4.) Consolidated with three roads, articles filed January 30, 1889.
- (a.) Saginaw & Clare County Railroad, which filed articles September 4, 1877, and amended same April 11, 1883.
- (b.) Saginaw & Mt. Pleasant Railroad, which filed articles March 25, 1879.
- (c.) Manistee Railroad, which filed articles June 19, 1880.

The last three roads mentioned were owned by the F. & P. M. R. R. prior to their consolidation.

GOGEBIC & MONTREAL RIVER RAILROAD.

This company filed articles December 27, 1883, and amended the same July 3, 1888, and was leased to the Penokee Railroad for 999 years from September 1, 1886, and was released by that company to the Wisconsin Central, May 31, 1888. The Northern Pacific operated the Wisconsin Central till September 26, 1893. The road is situated in the upper peninsula.

GRAND RAPIDS & INDIANA RAILWAY.

There is a general improvement in this property in Michigan and service is good. The condition of the Traverse City Branch is not equal to the rest of the road, but arrangements are made to improve it during the coming year. This property is well and economically managed.

This company filed articles July 11, 1896, and bought at mortgage sale the Grand Rapids & Indiana *Railroad* which company filed articles April 1, 1855, and amended the same December 8, 1881. The last named company has consolidated with various roads as follows:

(1.) Consolidated September 1, 1855, with the Grand Rapids & Southern Railroad which filed articles May 31, 1865.

(2.) Consolidated July 30, 1857, with the following roads:

(a.) Grand Rapids & Mackinaw Railroad which filed articles June 8, 1857.

(b.) Grand Rapids & Fort Wayne Railroad, an Indiana corporation.

(3.) Consolidated October 7, 1884, with the Grand Rapids, Indiana & Mackinaw Railroad which filed articles February 19, 1881.

(4.) Bay View, Little Traverse & Mackinac Railroad was sold at mortgage sale to the Grand Rapids & Indiana Railroad January 17, 1888.

The Grand Rapids & Indiana Railroad also operated the Allegan & Southeastern from January 1, 1879, till October 19, 1882.

This road extends from Fort Wayne, Indiana, to Mackinaw City, Michigan, besides it has several branches or feeders.

Muskegon, Grand Rapids & Indiana Railroad.

This company filed articles February 12, 1886, and is leased to the Grand Rapids & Indiana Railroad for 99 years from 1886 (p. 444, Com. report 1887).

Traverse City Railroad.

This company filed articles February 12, 1886, and leased the road to the G. R. & I. R. R. for 50 years from January 1, 1883.

INDIANA & LAKE MICHIGAN RAILWAY.

This company filed articles June 28, 1887, and filed articles of consolidation with the Indiana & Lake Michigan Railway of Indiana, March 30, 1888. The road was turned over as soon as it was completed to the Terre Haute & Indianapolis Railroad and is operated by that company as a part of the Vandalia lines. The road was opened for use August 4, 1890.

This road extends from St. Joseph, Mich., to South Bend, Ind., there being 25 miles of it in Michigan.

LAKE SHORE & MICHIGAN SOUTHERN SYSTEM.

The well-known standards of this company in construction and maintenance have been sustained, and the general condition of road and equipment, especially on main line, is excellent. Much partially worn material from main lines is used on branches where traffic is light, and considering the necessities, on these branches the service is equal to the demand. This company operates in this State ten roads, each of which has a separate corporate existence. Below will be found a short abstract of their corporate history.

Lake Shore & Michigan Southern Railway.

This road was formed by the consolidation of two roads. The articles filed June 2, 1869.

(1.) Lake Shore Railway.

(2.) Michigan Southern & Northern Indiana Railroad. This last named road was a consolidation of two other roads. Act No. 138, session laws of 1855, authorized such consolidation, articles filed May 18, 1855. The two roads were:

(a.) Northern Indiana Railroad, an Indiana corporation.

(b.) Michigan Southern Railroad. This last road was incorporated by act of the legislature approved May 9, 1846. That act also provided for the sale of the Southern Railroad, which became thereby a part of this road. Their charter has been amended by the legislature as follows: Act No. 128, session laws of 1849; act No. 213, session laws of 1849, and act No. 195, session laws of 1850.

The Lake Shore & Michigan Southern Railway filed articles of consolidation with the Buffalo & Erie Railroad, August 13, 1869. (For a more detailed history of this road see p. xxiii, Com. report 1887; p. xvii, Com. report 1873.)

Erie & Kalamazoo Railroad.

This road was chartered by act of the territorial legislature which was approved April 22, 1833. The charter has been amended at various times as follows: Act approved March 26, 1835; act No. 158, session laws of 1846, and act No. 111, session laws of 1887. This road is leased in perpetuity to the Lake Shore & Michigan Southern Railway and is now reported as a part of that road proper. (For a detailed early history of this road see p. xix, Com. report 1873; p. xxiii, Com. report 1887).

Detroit & Chicago Railroad.

This company filed articles Nov. 24, 1888, and at present the entire capital stock is owned by the Lake Shore & Michigan Southern Railway. The road was formerly known as the Chicago & Canada Southern, which company consolidated, articles filed October 28, 1871, with the Southeastern Michigan Railway, which filed articles May 19, 1871.

Detroit, Hillsdale & Southwestern Railroad.

This company filed articles January 30, 1875, and bought at mortgage sale the Detroit, Hillsdale & Indiana Railroad, which company filed articles February 3, 1869, and amended the same November 3, 1869. The road is leased in perpetuity to the Lake Shore & Michigan Southern Railway since September 5, 1881. (For copy of contract see p. 263, Com. report 1883.)

Detroit, Monroe & Toledo Railroad.

This company filed articles April 26, 1855. The entire capital stock, except one share, is owned by the Lake Shore & Michigan Southern Railway.

Fort Wayne & Jackson Railroad.

This company filed articles January 5, 1880, and bought at mortgage sale the Fort Wayne, Jackson & Saginaw Railroad. The road was leased in perpetuity to the Lake Shore & Michigan Southern Railway, September 1, 1882. (For copy of lease see p. 280, Com. report 1883.) At present the stock and debt is owned by the Lake Shore & Michigan Southern Railway. The road was built by local subscriptions. (Com. reports for 1875 and 1878.)

Kalamazoo, Allegan & Grand Rapids Railroad.

This road filed articles June 3, 1868, and was formed by the consolidation of two roads as follows:

(1.) Kalamazoo & Allegan Railroad, which filed articles June 18, 1867.

(2.) Kalamazoo & Grand Rapids Railroad, which filed articles January 3, 1868.

The Kalamazoo, Allegan & Grand Rapids Railroad was leased to the Lake Shore & Michigan Southern Railway for 999 years. Lease filed with the Secretary of State, February 22, 1870.

This road is leased to the Lake Shore & Michigan Southern Railway (p. 217, Com, report 1887), and extends from Kalamazoo to Grand Rapids.

Kalamazoo & White Pigeon Railroad.

This road was formed by the consolidation of two roads, articles filed September 24, 1869. The two roads are:

(1.) Schoolcraft & Three Rivers Railroad which filed articles June 6, 1855, and consolidated with the St. Joseph Valley Railroad, articles of consolidation filed March 29, 1870.

(2.) Kalamazoo & Schoolcraft Railroad, which filed articles June 9, 1866.

The Lake Shore & Michigan Southern Railway bought the stock and the road came under its control, October 1, 1869.

Northern Central Michigan Railroad.

This company filed articles November 2, 1866, and amended the same October 2, 1868. The Amboy, Lansing & Traverse Bay Railroad Co. made an assignment of all its rights and franchises, to this company, the minutes of which was filed with the Secretary of State, January 14, 1867.

The Lake Shore & Michigan Southern Railway advanced the entire sum for the construction of this road and owns the entire capital stock. (P. 275, Com. report 1875.)

Sturgis, Goshen & St. Louis Railway.

This company filed articles (reorganized) May 29, 1890. This property was acquired by the Lake Shore & Michigan Southern Railway, December 1, 1889. The Lake Shore & Michigan Southern Railway also operates, in connection with this road, a part of the Battle Creek & Sturgis Railway which they lease from the Michigan Central Railroad. The Michigan Central Railroad has turned over a certain amount of stock and debt of this road so that the L. S. & M. S. Ry. virtually owns the part of the road that it operates. The Battle Creek and Sturgis Railway is divided at Findley. The last named road was formerly known as the Canada & St. Louis Railway. (P. 228, Com. report 1894.)

LOWELL & HASTINGS RAILROAD.

This line extends from Freeport to Lowell, a distance of 12 miles. This road does a local business, and is in good shape. Repairs were directed to be made on two bridges in August which were made at once.

This company filed articles May 6, 1887.

MANISTEE & GRAND RAPIDS RAILROAD.

This company filed articles November 11, 1889. The road extends south and east from Manistee 28 miles.

MANISTEE & NORTHEASTERN RAILROAD.

This line extends from Manistee to Traverse City, a distance of 70 miles, and has branches aggregating to 20 miles. The company still maintains the same good condition of its road and equipment, which was noted in my last report. The road is well managed and gives general satisfaction. Extensive changes have been made in branches to reach logs and forest products.

This company filed articles January 12, 1887, and amended the same August 29, 1892. This road absorbed the Buckley & Douglas Railroad in 1889. The Buckley & Douglas Railroad was a logging road.

MANISTIQUE RAILWAY.

This road is situated in upper Michigan and extends from Germfask to Grand Marais, a distance of 39.5 miles, with branches aggregating 20 miles. One mixed train per day is scheduled for passenger and general traffic. The bulk of business consists in the transportation of logs and forest products. The condition of the road is safe and efficient.

This company filed articles of association, September 18, 1886, and amended the same October 21, 1889.

MASON & OCEANA.

This company was organized as a logging road and filed articles August 9, 1886. The road is situated in Mason and Oceana counties and is used mainly for hauling logs and other forest products.

MICHIGAN CENTRAL SYSTEM.

This system embraces twelve roads, each having a name for itself. It operates under one head more miles of road in the State, than any other system and contains nearly one-sixth of the total mileage. It occupies much of the best territory, and some of the poorest in the State. Its property is thoroughly cared for, and its operation is conducted on the most improved methods known in modern railroading. The discipline practiced to govern the work of officers and employés is exacting, and of a military character, which greatly insures safety and good service to the traveling and commercial public. The track and road-bed of the main line and main branches were never in better condition than at the present time.

Below will be found a short abstract of the roads in this system.

Michigan Central Railroad.

This road was incorporated by act of the legislature which authorized the sale of the Central Railroad and the incorporation of the Michigan Central Railroad, act No. 42, laws of 1846. The legislature has amended its charter at various times as follows: By act No. 47, session laws of 1846; act No. 71, session laws of 1847; act No. 197, session

laws of 1848; act No. 137, session laws of 1855; act No. 95, session laws of 1859; act No. 21, session laws of 1879; and act No. 188, session laws of 1883.

For a more detailed account of the early history of this road see p. xiv, Com. report 1873.

In 1883 the Canada Southern Railway System, which included the Canada Southern Bridge Co. and the Michigan, Midland & Canada R. R., was leased to the Michigan Central Railroad.

Battle Creek & Sturgis Railway.

This company filed articles November 14, 1889, and prior to that time the property was owned by the St. Louis, Sturgis & Battle Creek Railroad. Part of this road is operated by the M. C. R. R. and part by the L. S. & M. S. Ry. (For division of the road see Sturgis, Goshen & St. Louis Ry., one of the roads operated by the Lake Shore & Michigan Southern Ry., also see p. 228, Com. report 1894.)

Bay City & Battle Creek Railway.

This company filed articles November 11, 1889, and bought at mortgage sale the Battle Creek & Bay City Railway, which filed articles February 21, 1888. At present the stock is owned and the road operated by the Michigan Central Railroad.

Canada Southern Bridge Company.

This company was formed by the consolidation of two other companies, September 23, 1873.

(1.) Detroit River Railway, Bridge & Tunnel Co., a Canadian corporation.

(2.) Detroit River Railroad & Bridge Company, which filed articles February 26, 1872.

The stock and bonds of this company are owned by the Canada Southern Railway, and the road is operated by the Michigan Central Railroad, the last named company having leased the entire Canada Southern System, in 1883.

Detroit & Bay City Railroad.

This road bought, February 26, 1881, the Detroit & Bay City Railway, which road filed articles May 22, 1871, and amended the same January 3, 1872, and May 31, 1873.

This road has been operated under perpetual lease by the Michigan Central Railroad, since March, 1881.

Detroit, Delray & Dearborn Railroad.

This company filed articles September 19, 1895, and extends from Delray to Dearborn. It was constructed and is operated by the Michigan Central Railroad.

Grand River Valley Railroad.

This company surrendered its old charter and reorganized under the general railroad law, May 11, 1894. The road was originally chartered by act No. 98, session laws of 1846. At present it is permanently leased to the Michigan Central Railroad. For detailed early history see p. xvii., Com. report 1873.

Jackson, Lansing & Saginaw Railroad.

This road was formerly known as the Lansing & Jackson Railroad but the name was changed in the amended articles filed February 24, 1865. These articles have since been amended as follows: January 25, 1867; December 6, 1867; and March 7, 1872. The Lansing & Jackson Railroad filed articles February 23, 1864.

This road has been operated by the Michigan Central Railroad under agreement that went into effect September 1, 1871.

Kalamazoo & South Haven Railroad.

This company filed articles April 15, 1869. The Michigan Central Railroad has operated this road, under lease, since July 1, 1870, and at present owns a majority of the capital stock.

Michigan Air Line Railroad.

This road was formed by the consolidation of two roads as follows:

(1.) Grand Trunk Railway of Michigan, which filed articles January 19, 1867, and amended the same February 6, 1868, and March 19, 1870.

(2.) Grand Trunk Railway of Northern Indiana, an Indiana corporation.

The Michigan Air Line Railroad also consolidated with the St. Joseph Valley Railroad, an Indiana corporation. Articles of consolidation filed October 11, 1870. The eastern portion of this road was sold and is now known as the Michigan Air Line Railway. The Michigan Central Railroad has operated this road under a lease, since its construction, and at present owns a majority of the capital stock. (See Com. reports for 1885, 1886, and 1887.)

Michigan, Midland & Canada Railroad.

This road filed articles September 21, 1872. It also bought, March 18, 1874, the Michigan Midland Railroad, which company filed articles July 4, 1870, and amended the same January 6, 1872. The stock of the company is controlled by the Canada Southern Railway, and the road is operated by the Michigan Central Railroad, the last named company having leased the entire Canada Southern System in 1883.

Saginaw Bay & Northwestern Railroad.

This road was formerly known as the Pinconning Railroad, the name being changed in amended articles of the Pinconning Railroad, filed November 27, 1880. The Pinconning Railroad was a reorganization of the Glencoe, Pinconning & Lake Shore Railroad, articles filed July 18, 1878. The last-named road was formerly owned by Messrs. Campbell & Co., who went into bankruptcy December 18, 1877.

Toledo, Canada Southern & Detroit Railway.

This road was formed by the consolidation of two roads, articles filed August 2, 1872.

(1.) Junction Railway of Ohio.

(2.) Detroit & State Line Railroad, which filed articles March 19, 1872.

The capital stock of this company is controlled by the Canada Southern Railway, and the road is operated by the Michigan Central Railroad. The last named company leased the Canada Southern System of roads in 1883.

MIDLAND & HUBBARD RAILROAD AND THE MIDLAND & NORTHERN RAILWAY.

The Midland & Hubbard Railroad, which filed articles September 25, 1893, owns the right of way, and made the grade. The Midland & Northern Railway, which filed articles May 12, 1894, tied and ironed the road and operates it as a logging road, and such other business as may present itself.

MINNEAPOLIS, ST. PAUL & SAULT STE. MARIE RAILWAY.

This road is operated in connection with the Canadian Pacific, and that part running through the southern part of upper Michigan forms a part of the trans-continental system of roadway extending from ocean to ocean. Its road-bed and rolling stock are well kept and its operation well managed.

This company was formed by the consolidation of four roads, articles filed June 13, 1888; consolidation taking effect July 1, 1888. The four roads are:

(1.) Minneapolis, Sault Ste. Marie & Atlantic Railway. This road consolidated March 30, 1887, with the Menominee & Sault Ste. Marie Railway, which company filed articles April 20, 1885.

(2.) Minneapolis & St. Croix Railway.

(3.) Minneapolis & Pacific Railway.

(4.) Aberdeen, Bismarck & Northwestern Railway.

MUNISING RAILWAY.

This road, which has been put in operation during this year, has about twenty miles of new main line. Schedule trains are run between Munising and Munising Junction, six miles, the transportation of logs and forest products constituting the general business.

The material in construction and equipment is good, and track will be much improved when ballasting is finished. It is contemplated to extend the line to a point on the C. & N. W. Ry. during the coming year.

This company filed articles July 11, 1895.

PONTIAC, OXFORD & NORTHERN RAILROAD.

This road extends from Pontiac to Caseville on Saginaw Bay, a distance of 100 miles. It is economically managed, and no material change has taken place during the year.

This company filed articles September 24, 1889, and bought at mortgage sale the Pontiac, Oxford & Port Austin Railroad. This last named road was formerly known as Oxford & Port Austin Railroad; the name was changed in amended articles filed January 15, 1880. The P., O. & P. A. R. R. amended its articles October 7, 1881. The Oxford & Port Austin Railroad filed articles July 28, 1879.

SAGINAW, TUSCOLA & HURON RAILROAD.

This was formerly a narrow gauge road but was changed to a standard gauge in 1883, to meet the requirements of interchange of traffic. It extends from Saginaw to Bad Axe, 66 miles. No complaint has been filed against this road, or any fault found with the character of the service rendered during the four years of my administration. The road-bed and rolling stock are well kept, and the operation is well managed.

This company filed articles of association February 24, 1881.

SAULT STE. MARIE BRIDGE COMPANY.

This property consists of an international bridge across the Sault Ste. Marie river, and is owned by an independent corporation, which pays taxes on the Michigan portion, the same as railroads. It is leased and operated by the Duluth, South Shore & Atlantic Railway, the Minneapolis, St. Paul & Sault Ste. Marie Railway, and the Canadian Pacific Railway.

The bridge company filed articles of association March 16, 1887.

SOUTH HAVEN & EASTERN RAILROAD.

This is the first narrow gauge road built in the lower peninsula of Michigan. It connects with the Michigan Central Railroad at Lawton and extends to South Haven on Lake Michigan, a distance of 37 miles. During the year marked improvements have shown themselves in road-

bed and rolling stock, and also in management. I am pleased to say that it is giving much better satisfaction to its patrons and adjacent land owners than formerly.

This company filed articles of association May 23, 1894, and bought at mortgage sale the Toledo & South Haven Railroad, which filed articles April 1, 1876. The last named road consolidated with the Paw Paw Railroad, September 27, 1887. The Paw Paw Railroad bought at mortgage sale the Lake Michigan Division of the Toledo & South Haven Railroad. The Paw Paw Railroad was originally a standard gauge road, but was changed to a narrow gauge road when it came under the control of the Toledo & South Haven Railroad.

ST. JOSEPH VALLEY RAILWAY.

The St. Joseph Valley Railroad operated a narrow gauge road from Buchanan to Berrien Springs, but that company failed to keep its track and bridges in a safe condition and the road was condemned by this department in 1886 until such time as certain repairs were made. That company soon abandoned the road. The present company finally gained control and operated the same until August, 1893, when the road was again found unsafe and this department ordered passenger traffic discontinued until certain repairs were made. The road has not been operated since, and at present the property is in the hands of a construction company for the purpose of rebuilding and extending the same to Benton Harbor. It is now a standard gauge road.

SUPERIOR TERMINAL RAILWAY.

Parts of this road have been built from time to time for thirty years by the Superior Iron Company to furnish terminal facilities for the shipment of ore. The property is taxed locally. The present company filed articles January 27, 1893.

WISCONSIN & MICHIGAN RAILWAY.

The part of this road which is situated in Michigan extends from Ingalls on the Chicago & North Western Railway to Faithorn Junction on the Minneapolis, St. Paul & Sault Ste. Marie Railway, a distance of 29 miles. It is mostly a new construction, but for some distance it made use of an old narrow gauge lumber road. A quantity of new steel is on the ground to take the place of that used by the lumber road. Other improvements are in contemplation which, when carried out, will put the road in a condition for heavy traffic. It has a first-class iron bridge spanning the Menominee river, near Fishers. This road terminates at the Pestigo in Wisconsin, where its loaded cars, destined for South Chicago, are transferred to boats, thus preventing delay in the transfer of freight through Chicago, and at the same time putting into use a car ferry system the longest in the world.

This company has never filed articles of association in Michigan.

WABASH RAILROAD.

Only a small part of the large Wabash railroad system is located in Michigan. It comes into the State near the southwest corner of Lenawee county and terminates at Detroit, a distance of some 80 miles. The roadbed and rolling stock are in a commendable condition. No fault is found with the character of the service rendered.

This company was formed by the consolidation of five other companies, articles of consolidation filed July 31, 1889.

(1.) Toledo & Western Railroad, an Ohio corporation.
(2.) Detroit & State Line Wabash Railroad, a Michigan corporation.
(3.) Wabash Eastern Railway of Indiana.
(4.) Wabash Eastern Railway of Illinois.
(5.) Wabash Western Railway.

The Wabash, St. Louis & Pacific Railway, an Indiana corporation, gained control of the Michigan portion of this road by consolidating with the Detroit, Butler & St. Louis Railroad, articles of consolidation filed September 10, 1881. This last named road filed articles February 11, 1880, and consolidated with the Butler & Detroit Railroad, an Ohio and Indiana corporation. Articles of consolidation filed May 25, 1881. The Wabash, St. Louis & Pacific Railroad was sold on a mortgage and in 1888 the property was operated for a purchasing committee by the Wabash Western. The property was turned over to the Wabash Railroad in 1889.

DETROIT UNION RAILROAD DEPOT & STATION COMPANY.

This company filed articles June 11, 1881, and amended the same April 19, 1882. Three companies have rented terminal privileges of this company: The Wabash Railroad since 1881, and the F. & P. M. R. R. and D. L. & N. R. R. since 1889.

FORT STREET UNION DEPOT COMPANY.

This company filed articles August 24, 1889, and has leased terminal privileges to four roads: Wabash Railroad, F. & P. M. R. R., D. L. & N. R. R. and the Canadian Pacific Railway.

ORE AND FOREST ROADS.

Bear Lake & Eastern Railroad.

This company filed articles January 14, 1882 (p. 531, Com. report 1886).

Crawford & Manistee River Railway.

This company filed articles September 28, 1885.

Dead River Railroad.

This company filed articles November 11, 1889. This road is operated by the Duluth, South Shore & Atlantic Railway under contract with Hawley & McGraw.

Hecla & Torch Lake Railroad.

This company filed articles March 8, 1868, and the property belongs to the Calumet & Hecla Mining Company which company makes up any deficit in earnings for the sake of having its rock transported free.

Manistee & Luther Railroad.

This road filed articles March 26, 1886. Prior to this, it had been operated as an unincorporated logging road.

Quincy & Torch Lake Railroad.

This company filed articles June 29, 1888, and amended the same December 3, 1888.

ROADS NOT IN OPERATION.

The following railroad companies also submitted reports to this department for the year ending December 31, 1895. The roads have not been completed and are not in operation.

Buchanan & St. Joseph.

This company is constructing a short line of road in Berrien county. It filed articles October 12, 1894.

Central Michigan Railroad.

The portion of this road in Michigan when completed is to extend from Grand Haven to Rogers City on the State line between Michigan and Ohio. This company filed articles September 7, 1888, and amended the same September 30, 1895.

Chicago & Kalamazoo Terminal Railroad.

This road is a belt line in the City of Kalamazoo, and is to be seven miles in length. The company filed articles July 1, 1895.

Iron Range & Huron Bay Railroad.

This road is situated in the upper peninsula and was intended to be used as an ore road. It was nearly completed at one time, but nothing has been done for several years toward putting it into operation. The company filed articles of association, January 30, 1890, and amended the same October 27, 1891.

ABANDONED RAILROADS.

A large per cent of the railroad companies that have filed articles of association in this State have never done anything toward the construction of their respective roads, while many of them have abandoned them in all stages of construction. There are also eleven incorporated forest roads that have exhausted the timber in their vicinity and have ceased to exist, the rails being taken up and sold. In answer to the numerous inquiries that have come to this department relative to the status of the Canada, Michigan & Chicago Railway, a short history of that road is given below:

Canada, Michigan & Chicago Railway.

This company filed articles of association in February, 1872, and was chartered to build and operate a road from St. Clair to Lansing. A former secretary (John V. H. Lott, No. 205 Lafayette avenue, Detroit, Mich.) of this company, informs us that a large amount of money was expended on this road for right of way, surveying, etc., and that some of the eastern portion was graded, bridged and ready for the rails. He also claims that the money which was expended on this road was furnished by an English capitalist, and that no money was raised besides this, except by subscriptions which were to be paid when the cars were running. Some of the bonds were floated in England, but the money was refunded for these before the company collapsed. He is of the opinion that some dishonest person has obtained possession of these bonds and has disposed of them for what he could get. There were two and three-quarter millions of these bonds that would have been sold if the company had succeeded. The bonds are of no value.

STATISTICAL AND SPECIAL TABLES.

The usual statistical and special tables have been prepared and printed in pamphlet form; the substance of them will be found in a summary form

in this report. A summary of several new tables showing rate per ton per mile, and rate per passenger per mile, and other statistics exclusively for Michigan, have been carefully prepared, and will be found herein, indexed under the head of "Special Tables."

TRACK MILEAGE IN MICHIGAN.

The following statement exhibits in detail the increase or decrease of track in Michigan as reported by the several companies for the year 1895:

Statement of changes in track mileage owned in Michigan during the year ending December 31, 1895.

Railroad.	Increase.	Decrease.
Arcadia & Betsey River	17.50	.....
Boyne City & Southeastern	2.00	.....
Buchanan & St. Joseph	1.75	.....
Chicago & Kalamazoo Terminal	1.25	.....
Chicago & West Michigan	1.12	.....
Detroit & Mackinac	9.35	.....
Duluth, South Shore & Atlantic	.....	7.79
Flint & Pere Marquette	.....	8.21
Gogebic & Montreal River	2.35	.....
Hancock & Calumet	4.00	.....
Iron Range & Huron Bay	34.00	.....
Manistee & Grand Rapids	3.30	.....
Manistee & North Eastern	1.00	.....
Manistique	.....	2.00
Detroit, Delray & Dearborn (M. C.)	4.84	.....
Saginaw Bay & Northwestern	2.66	.....
Mineral Range	.....	4.05
Munising	7.02	.....
Superior Terminal	8.00	.....
Wisconsin & Michigan	29.28	.....
North Branch & Sauble River	.....	10.00
Total	129.42	32.05

The above shows a net increase of 97.37 miles for the year 1895. The Iron Range & Huron Bay Railroad, from Huron Bay to Champion Iron Mine, was commenced to be built in 1890, but has never been operated. The Wisconsin & Michigan Railway and Arcadia & Betsey River Railway are the principal new roads opened for business during the year ending December 31, 1895:

Table showing progress of railroad construction in Michigan from 1838 to 1894, inclusive.

Years.	Miles.	Years.	Miles.	Years.	Miles.
1838	63	1858	703	1877	3,455
1839	71	1859	770	1878	3,564
1840	104	1860	770	1879	3,657
1841	147	1861	777	1880	3,823
1842	147	1862	811	1881	4,252
1843	180	1863	812	1882	4,609
1844	220	1864	891	1883	4,966
1845	223	1865	931	1884	5,120
1846	279	1866	943	1885	5,247
1847	279	1867	1,060	1886	5,577
1848	326	1868	1,120	1887	5,768
1849	353	1869	1,262	1888	6,411
1850	380	1870	1,739	1889	6,760
1851	421	1871	2,298	1890	6,957
1852	425	1872	2,822	1891	7,274.94
1853	425	1873	3,253	1892	7,447.37
1854	425	1874	3,313	1893	7,511.83
1855	462	1875	3,347	1894	7,512.50
1856	530	1876	3,410	1895	7,609.87
1857	579				

Since the last report of this department was issued, the State Board of Railroad Crossings has approved maps of the following new lines of road:

	Miles.
Ann Arbor, through Arcadia township, Gratiot county.	——
Chicago, Kalamazoo & Saginaw, extension in the city of Kalamazoo	——
Monroe & Toledo, Monroe to State line about	16½
Detroit & Cincinnati, State line to Detroit Junction	7
Detroit & Mackinac, Bay City to Omer about	25
Lake Superior & Ishpeming, revised route through city of Ishpeming	——
Lewiston & Southeastern, Lewiston to a point in Oscoda county	15
	63½

Construction During 1896.

Statement showing estimated length of new railroad track completed or in process of construction reported to this department for the year ending December 1, 1886:

	Miles.
Monroe & Toledo, about	16
Detroit & Cincinnati, about	7
Detroit & Mackinac, about	25
Lake Superior & Ishpeming, about	16
Buchanan & St. Joseph, about	1.75

7A.—TRAFFIC EARNINGS.—FOR MICHIGAN.

Road No.	Railroads.	Passenger depart			
		Passenger fares.	Express and baggage.	Mail.	Other sources.
1	Ann Arbor	$35,403 39	$3,951 70	$6,282 63	.....
2	Toledo, Ann Arbor & North Michigan	193,434 76	17,277 80	31,913 10	.....
3	Arcadia & Betsey River	.....	.....	.....	.....
4	Au Sable & Northwestern	8,126 85	.....	2,139 00	.....
6	Boyne City & Southeastern	339 90	.....	271 60	.....
9	Chicago, Detroit & C. G. T. Junction	157,026 59	10,948 44	8,415 46	.....
10	Chicago & Grand Trunk	551,365 61	31,685 25	40,276 18	.....
11	Chicago, Kalamazoo & Saginaw	19,731 48	985 59	1,906 20	3284 31
13	Chicago, Milwaukee & St. Paul	58,396 43	13,344 91	11,658 13	433 43
15	Chicago & Northwestern	208,738 43	43,310 85	41,587 98	.....
15-16	Chicago & West Michigan and C. & N. M.	550,689 68	38,051 68	57,781 81	.....
17	Cincinnati, Jackson & Mackinaw	74,520 37	17,183 21	13,398 07	.....
18	Cincinnati, Saginaw & Mackinaw	36,055 36	1,746 90	3,987 59	.....
19	Cleveland, Cincinnati, Chicago & St. Louis	31,173 71	2,009 67	2,939 43	.....
20	Detroit, Grand Haven & Milwaukee	402,763 26	27,308 71	29,085 05	3,903 31
21-23	Detroit, Lansing & Northern System	440,505 05	23,320 00	46,016 14	.....
24	Detroit & Mackinac	67,223 96	1,886 15	12,519 84	.....
25	Duluth, South Shore & Atlantic	403,223 55	27,251 09	43,314 62	50 00
26	Flint & Pere Marquette	650,626 54	47,163 37	60,206 28	14,628 33
27	Gogebic & Montreal Riv. (Op'd by Wis. Cent.)	4,199 15	658 05	304 95	.....
28-30	Grand Rapids & Indiana System	561,015 43	48,009 13	46,865 92	15,076 26
31	Hancock & Calumet	12,487 32	343 11	643 92	.....
32	Ind. & Lake Mich. (Op'd by Terre Haute & I.)	10,753 35	1,290 34	1,958 12	.....
34-42	Lake Shore & Michigan Southern System	595,659 11	163,969 19	319,459 73	.....
43	Lowell & Hastings	3,170 05	158 71	540 72	98 26
44	Manistee & Grand Rapids	.....	.....	.....	.....
45	Manistee & Northeastern and Supplementary	43,134 87	1,274 35	3,923 06	360 00
46	Manistique	3,699 71	.....	1,081 12	.....
47	Mason & Oceana	2,351 75	.....	1,264 96	.....
48	Michigan Air Line Railway	31,839 10	2,499 96	9,006 08	.....
49-61	Michigan Central System	3,247,251 96	285,312 36	240,397 03	.....
63	Midland & Northern	.....	.....	.....	.....
64	Mineral Range	39,762 33	1,529 00	1,286 00	.....
65	Minneapolis, St. Paul & Sault Ste. Marie	105,352 24	4,679 31	23,796 31	5,561 96
67	Pontiac, Oxford & Northern	35,325 16	3,061 89	7,585 68	.....
68	Saginaw, Tuscola & Huron	37,771 20	465 73	4,965 28	.....
69-70	Saginaw Valley & St. Louis System	41,458 55	1,680 00	4,321 60	.....
71	Sault Ste. Marie Bridge Co.	.....	.....	.....	.....
72	South Haven & Eastern	9,702 91	3,445 44	1,736 13	43 30
73	St. Clair Tunnel	22,253 00	.....	.....	.....
76	Toledo, Saginaw & Muskegon	23,580 83	921 79	7,348 08	16 86
77	Wisconsin & Michigan	4,877 68	30 73	402 19	.....
78	Wabash	100,349 96	4,620 83	6,917 29	2,005 86
79	Detroit Union R. R. Depot & Station Co.	.....	.....	.....	.....
80	The Fort Street Union Depot Co.	.....	.....	.....	.....
	Total commercial roads	$7,820,898 58	$777,315 26	$1,095,030 73	$42,450 32
	ORE AND FOREST ROADS.				
1	Bear Lake & Eastern	$72 65	.....	.....	.....
3	Crawford & Manistee River	.....	.....	.....	.....
4	Hecla & Torch Lake	.....	.....	.....	.....
5	Manistee & Luther	329 85	.....	.....	.....
6	Quincy & Torch Lake	.....	.....	.....	.....
	Total ore and forest roads	$402 50	.....	.....	.....
	Total all roads	$7,821,301 08	$777,315 26	$1,095,030 73	$42,450 32

TRAFFIC EARNINGS.—FOR MICHIGAN.—CONCLUDED.

ment.	Freight department.			Total traffic earnings.	Operating receipts other than for traffic earnings.	Total receipts from operation.	Road No.
Total.	Freight.	Other sources.	Total.				
$44,767 71	$118,984 69	.....	$118,984 69	$163,752 40	$3,403 94	$167,156 34	1
242,635 66	564,972 11	.....	564,972 11	807,597 77	19,316 08	826,913 85	2
.....	960 33	.....	960 33	960 33	.....	960 33	3
10,265 35	42,020 36	.....	42,020 36	52,286 21	.....	52,286 21	4
1,111 50	16,429 50	$360 29	16,789 79	17,901 29	.....	17,901 29	6
176,290 49	109,081 76	.....	109,081 76	285,422 25	2,277 52	287,699 77	9
624,337 04	1,313,825 78	.....	1,313,815 78	1,938,143 82	1,382 33	1,939,525 15	10
22,897 58	26,127 19	282 66	26,409 85	49,307 43	.....	49,307 43	11
83,758 90	174,883 39	.....	174,883 39	258,642 29	.....	258,642 29	13
293,487 29	2,028,929 79	.....	2,028,929 79	2,322,417 08	4,472 72	2,327,889 80	14
646,523 17	963,032 83	1,316 48	964,849 31	1,611,372 48	1,164 06	1,612,536 54	15–16
108,941 65	204,580 43	.....	204,580 43	308,522 08	8,022 72	316,544 80	17
41,739 85	93,630 27	.....	93,630 27	135,370 12	362 78	135,732 90	18
36,113 80	96,971 23	.....	96,971 23	133,084 03	293 00	133,377 03	19
463,059 33	488,185 58	.....	488,185 58	951,244 91	62,075 71	1,013,320 62	20
508,841 19	616,871 58	1,731 00	618,602 58	1,127,443 77	22,211 12	1,149,654 89	21–23
81,629 95	261,758 15	.....	261,758 15	343,388 10	21,006 23	364,394 33	24
472,849 26	1,131,326 63	9,640 45	1,140,867 08	1,613,716 34	14,359 35	1,628,075 69	25
772,634 47	1,362,311 61	.....	1,362,311 61	2,134,936 08	.....	2,134,936 08	26
5,162 15	46,319 79	.....	46,319 79	51,981 94	527 97	52,509 91	27
670,966 74	1,215,836 01	8,245 33	1,224,081 34	1,895,048 08	18,153 47	1,913,201 55	28–30
13,473 35	180,701 28	.....	180,701 28	194,174 63	25 00	194,199 63	31
14,000 31	27,740 50	.....	27,740 50	41,741 31	.....	41,741 31	32
1,078,088 03	1,163,323 64	12,889 56	1,176,165 20	2,254,253 23	.....	2,254,253 23	34–42
3,967 74	6,679 30	.....	6,679 30	10,647 04	.....	10,647 04	43
.....	36,405 01	1,408 71	37,813 72	37,813 72	24 00	37,837 72	44
48,691 30	155,723 31	.....	155,723 31	204,414 61	1,237 44	205,652 05	45
9,780 33	107,447 24	.....	107,447 24	117,228 07	.....	117,228 07	46
3,616 71	15,079 20	.....	15,079 20	18,695 91	.....	18,695 91	47
43,347 14	130,050 21	.....	130,050 21	173,397 35	3,086 23	175,483 58	48
2,722,961 35	4,767,598 98	.....	4,767,598 98	7,490,560 33	52,333 36	7,542,893 69	49–61
.....	1,468 33	.....	1,468 33	1,468 33	.....	1,468 33	63
33,577 33	79,641 69	336 86	79,978 55	112,555 88	1,013 31	113,569 19	64
139,409 26	456,354 70	2,055 25	458,409 95	597,810 21	8,518 97	606,329 18	65
44,963 73	65,041 17	.....	65,041 17	110,023 90	191 95	110,215 85	67
43,203 21	70,204 00	.....	70,204 00	113,406 21	764 78	114,170 99	68
47,360 15	35,353 59	52 00	35,405 59	82,765 74	291 98	84,057 72	69–70
.....	.....	.....	.....	.....	17,754 58	17,754 58	71
13,937 77	5,704 70	.....	5,704 70	19,642 47	.....	19,642 47	72
22,253 00	81,406 25	.....	81,406 25	103,659 25	.....	103,659 25	73
31,767 56	63,201 22	.....	63,201 22	94,968 78	.....	94,968 78	76
5,310 59	35,605 59	.....	35,605 59	40,916 18	316 38	41,232 56	77
112,893 44	324,902 54	12,328 14	336,630 68	450,524 12	.....	450,524 12	78
.....	.....	.....	.....	.....	149,584 33	149,584 33	79
.....	.....	.....	.....	.....	123,474 31	123,474 31	80
$9,735,694 38	$18,686,413 46	$52,096 73	$18,738,510 19	$28,474,205 07	$538,045 62	$29,012,150 69	
$72 65	$7,232 45	.....	$7,232 45	$7,305 10	.....	$7,305 10	1
.....	5,876 48	.....	5,876 48	5,876 48	.....	5,876 48	2
.....	84,493 56	.....	84,493 56	84,493 56	.....	84,493 56	4
329 85	74,476 14	.....	74,476 14	74,805 99	.....	74,805 99	5
.....	26,382 66	.....	26,382 66	26,382 66	.....	26,382 66	6
$402 50	$198,461 29	.....	$198,461 29	$198,863 79	.....	$198,863 79	
$9,736,097 38	$18,884,874 75	$52,096 73	$18,936,971 48	$28,673,068 86	$538,045 62	$29,211,014 48	

The following comparative table shows the average revenue per ton per mile in ten different states, also the average for the entire United States for the years 1892, 1893, 1894 and 1895:

Name of state.	Year.	Average revenue per ton per mile.	Year.	Average revenue per ton per mile.	Year.	Average revenue per ton per mile.	Year.	Average revenue per ton per mile.
Michigan	1892	$0 00.721	1893	$0 00.762	1894	$0 00.828	1895	$0 00.760
Iowa	1892	00.825	1893	00.996	1894	00.963	1895	01.07
Ohio	1892	00.743	1893	00.652	1894	00.624	1895	01.12
New York	1892	00.764	1893	00.777	1894	00.766	1895	00.735
Illinois	1892	00.861	1893	00.931	1894	01.213	1895	01.232
Massachusetts	1892	01 36	1893	01.39	1894	01.33	1895	01.28
Minnesota	1891	01.166	1893	01.114	1894	01.09	1895	01.06
Missouri	1891	01.365	1892	01.12	1894	01.844	1895	01.072
Kansas	1892	01.045	1893	01.010	1894	00.969	1895	01.330
Connecticut	1892	01.499	1893	01.464	1894	01.584	1895	01.437
Average for the entire United States	1892	00.898	1893	00.878	1894	00.866	1895	00.839

Statement of average passenger rates in Michigan for 1895.

Companies.	Average through rates.	Average local rates.	Average rate for all.
Chicago & Grand Trunk	$0 01.37	$0 01 60	$0 01.48
Chicago & Northwestern	03.22	02.91	02.91
Cleveland, Cincinnati, Chicago & St. Louis	01.72	02.04	01.98
Chicago, Milwaukee & St. Paul	02.30	02.36	02.36
Flint & Pere Marquette	01.77	02.21	02.16
Grand Rapids & Indiana	02.02	01.94	01.94
Lake Shore & Michigan Southern System	02.17	02.23	02.22
Michigan Central System	02.37	02.39	02.39
Minneapolis, St. Paul & Sault Ste. Marie	01.97	03.31	02.38
Duluth, South Shore & Atlantic	02.57	03.23	02.90
Detroit, Lansing & Northern	02.26	02.10	02.12
Ann Arbor	02.50	02.50	02.50

The following comparative table shows the average revenue per passenger per mile in ten different states, also the average for the entire United States for the years 1892, 1893, 1894 and 1895:

Name of state.	Year.	Average revenue per passenger per mile.	Year.	Average revenue per passenger per mile.	Year.	Average revenue per passenger per mile.	Year.	Average revenue per passenger per mile.
Michigan	1892	$0 02.18	1893	$0 01.87	1894	$0 02.20	1895	$0 02.19
Iowa	1892	02.87	1893	02.50	1894	02.50	1895	02.95
Ohio	1892	02.08	1893	01.813	1894	01.801	1895	02.2
New York	1892	02.21	1893	02.18	1894	01.93	1895	02.23
Illinois	1892	02.09	1893	02.409	1894	02.312	1895	02.263
Massachusetts	1892	01.83	1893	01.83	1894	01.50	1895	01.78
Minnesota	1891	02.43	1893	02.44	1894	02.26	1895	02.46
Missouri	1892	02.42	1893	02.28	1894	02.50	1895	02.245
Kansas	1892	02.30	1893	02.170	1894	02.015	1895	02.261
Connecticut	1892	01 84	1893	01.213	1894	01.821	1895	01.802
Average entire United States	1892	02.126	1893	02.108	1894	01.976	1895	02.04

DIVIDENDS.

Out of the forty-eight corporations controlling the railroads operating partly within and partly without and wholly within the State, only eight were able to return dividends upon their capital stock paid in, the amount of which, and of the dividends declared, will be seen from the subjoined:

	Capital stock paid in. Whole line.	Amount of dividend.	Per cent of dividend.
Chicago, Milwaukee & St. Paul	$72,622,161 00	$2,745,753 22	7 and 2
Chicago & Northwestern	66,557,820 53	3,125,716 00	7 and 4
C., C., C. & St. Louis	38,416,332 45	500,000 00	5 on preferred
Hancock & Calumet	350,000 00	35,000 00	10
Lake Shore & Michigan Southern	50,000,000 00	2,967,990 00	6
Michigan Central	18,788,204 00	749,520 00	4
Pontiac, Oxford & Northern	1,000,000 00	35,000 00	3½
Mineral Range	398,400 00	27,538 00	7
Total		$10,186,517 22	

Only three of the above named roads are wholly within this State, viz., Hancock & Calumet, Mineral Range, Pontiac, Oxford & Northern. The C., M. & St. P., C. & N. W., and C., C., C. & St. L., operate only a very small mileage in Michigan. About 69.34 per cent of the Michigan Central, and 39.76 per cent of the Lake Shore & Michigan Southern lie in Michigan.

UNITED STATES STATISTICS.

Statistics of railroads in the United States taken from the eighth annual report of the Interstate Commerce Commission for the year ending June 30, 1896:

	Year ending June 30, 1895.
Total number of railroad corporations in the U. S. reported to the Interstate Commerce commission is	1,965
Total mileage reported to the Interstate Commerce Commission	180,657.47
Railroad capital, stock, common	$4,201,697,351 00
Railroad capital, stock, preferred	759,561,305 00
Railroad capital, funded debt	5,385,495,573 00
Railroad capital, other indebtedness	616,830,156 00
Total railroad capital	$10,963,584,385 00
Total railroad capital per mile of road	$63,206 00
Number of passengers carried	507,421,362
Number of passengers carried one mile	12,188,446,271
Number of tons of freight carried	696,761,171
Number of tons of freight carried one mile	85,227,575,891

Total earnings and income	$1,207,803,595 00
Total expenditures	1,151,687,336 00
Total amount paid for taxes	39,832,433 00
Revenue per passenger per mile	$0 02.040
Revenue per ton of freight per mile	00.839
Number of passengers killed	170
Number of passengers injured	2,375
Number of employés killed	1,811
Number of employés injured	25,696

One employé killed to every 433 employed.
One employé injured to every 31 employed.
One passenger killed to every 2,984,932 carried.
One passenger injured to every 213,651 carried.
Number of employés, about 796,576.
Number of locomotives 35,699, or 20 locomotives for each 100 miles.
Number of cars of all kinds in U. S. 1,270,561, or 715 for each 100 miles.
Number of roads in hands of receivers, 169.
Number of miles of road in hands of receivers, 37,855.80.
Capital stock of roads in hands of receivers, $2,439,144,503.00.

JUDICIAL PROCEEDINGS.

The case brought by Harry C. Smith, of Adrian, against the L. S. & M. S. Ry., by mandamus, to compel said campany to issue a thousand mile ticket good for himself and family, in accordance with act No. 202, session laws of 1889, wherein the State took an active part through the Attorney General and Commissioner of Railroads, mentioned in my last annual report, has been decided in the circuit court in favor of the plaintiff. The case has been argued before the supreme court of the State and now awaits the decision of that court.

The case brought by the Manistee & Grand Rapids Railroad against the Auditor General to set aside the tax levied against that road, computed by the Commissioner of Railroads, claiming exemption from taxation under act No. 174, session laws of 1891, which exempts railroads from taxation "hereafter building" and operating north of parallel 44 of latitude, was tried in the 19th judicial circuit before Judge McMahon, at Ludington, and decided by him that the road named could not claim exemption from taxation under the act named, on the ground that the road was constructed and in operation before the law took effect. The railroad company, in keeping with this decision, has paid the tax as computed for the years 1893, 1894 and 1895.

REPORT OF MECHANICAL ENGINEER.

The report of E. F. Moore, Mechanical Engineer of this department, is published herewith, and found indexed under the above heading. It merits special mention, being well worthy of careful perusal. It contains valuable information in the line of his many duties; treats of the physical condition of the roads, the mechanical appliances, and such other structures that require inspection under the supervision of this department.

I am pleased to state that Mr. Moore has been a very industrious and competent officer.

CONCLUSION.

The relations existing between railroad officials and employés are as harmonious as could be desired. The only thing which is to be regretted is that the business of the roads has fallen off to such an extent as to require a reduction in the number of men employed in operation work. In comparison with four years ago, the number employed has been reduced nearly 5,000 men.

Again I take this opportunity to express the appreciation of this department to the officers of the various railroads for their ready coöperation in all efforts to improve the service, to perfect safety conditions, and to carry out the requirements of the law. Also to say that they have generously given every needed facility to aid the commissioner in the discharge of his many duties.

In closing this, my fourth and last annual report, I again take the liberty to express publicly my kindest thanks for the wise counsel that you have so cheerfully given me on all needed occasions, materially aiding to make this department a benefit to the citizens of the whole State.

Respectfully yours,

Simeon R Billings

Commissioner of Railroads.

MECHANICAL ENGINEER'S REPORT.

HON. S. R. BILLINGS, *Commissioner of Railroads:*

I beg to submit abstract report of the physical and mechanical condition of railroad properties of Michigan, as ascertained at the time of making the annual inspections, as well as at the many special inspections made by your direction during the year.

PERMANANT WAY.

The general condition of track and bridge structures of railroads in this State compares favorably with the same in 1896, notwithstanding the reductions in expense of maintenance and repairs, by cutting down force of men employed and postponement of improvements when it could be done without impairing the general safety. Bridge repairs, tie renewals and other items necessary to safety have had due attention, while in many cases repairs or renewals of station buildings and fences, cutting weeds, etc., have been neglected or temporarily postponed by reason of the requirement of the strictest economy.

A large number of bridges have been critically examined and special repairs directed in several cases which have been satisfactorily made, or are in progress. One bridge failure has been noted during the year (full report of which is on file) which was not attended with loss of life or material damage.

RAILROAD CROSSINGS AND INTERLOCKINGS.

There are 178 grade crossings of main lines of railroads in this State, of which 97, or 54.4 per cent, are provided with interlocking switch and signal systems of various patterns, according to the existing traffic necessities.

There are 61 full or first-class, and 36 half interlocking plants, all of which have been inspected from one to three times, and, except three, which will require renewal at an early date, are in good condition. The details of operation of these appliances, as stipulated in your official orders of approval, are generally complied with, except that the limit of rate of speed over interlocked crossings is in many instances exceeded. The practice of modifying former orders of approval of interlockers, authorizing the discontinuance of connections to distant signals fixing

them in permanent position of caution, is generally approved and commended by officers and employés in operating departments, and I further urge that all distant signals at interlockings where high speed is customary and where the grade toward crossings renders control of trains uncertain, should be electrically locked so as to absolutely prevent any interference with the route after train has passed distant signal and until entire train is over the crossing. Also, that at all interlockings where distant signals are not electrically locked, they should be fixed caution signals and regarded as markers, simply showing distance from home signal and derailer.

Six new interlocking plants have been constructed and approved during the year and many others enlarged, renewed or repaired.

Owing to the general use of interlocking appliances and the competence of construction and supervision of same by the railroad companies, it was deemed expedient to dispense with the monthly reports of daily inspection which had hitherto been filed with this office. This was done the first of this year, and subsequent inspections have demonstrated that, while these reports were necessary during the introduction of this class of machinery, the practical knowledge and education gained by years of experience has rendered their value unimportant.

ELECTRIC AND STEAM RAILROAD CROSSINGS.

The specifications issued by you for the nine new crossings of steam and electric railways, requiring all of them to put in standard pattern crossing frogs and four of them to put in derailing and signaling devices, have been complied with on all crossings that have been finished and inspected.

The necessity of adequate mechanical protection against accident at crossings of this class now in use is in many cases imperative, and the matter should receive serious consideration. At several crossings the grade on electric line is very steep toward crossing of steam tracks, on others the speed of trains is high and view of the same from the crossing is more or less obscured, and the frequency of passage of cars or trains over the crossing should also be considered.

Of the two signaling and derailing devices which have been ordered by you at crossings of electric and steam railways which were in existence before the law providing such protection took effect, the one at the crossing of the Ann Arbor Railroad by the Owosso & Corunna Traction Company on Corunna road near Owosso, is being constructed with derailers on electric track and signals in both directions on Ann Arbor Railroad, and machine to be operated by conductor of electric car after it has been stopped at derailing switch.

The plant ordered by you at the crossing of the M. C. R. R., L. S. & M. S. R'y and C. &. G. T. R'y by the Detroit Citizens' Street Railway on Grand River avenue, Detroit, is in process of construction and consists of home signals on all steam lines 300 feet from curb line of street, derailers in electric track with home signals, connections to be made with the street crossing gates, and all to be operated from a tower by a joint employé. This machine, to which I referred in my last report, is put in as an experiment, but I see no reason why it is not a safe and economical scheme for the protection of heavy traffic crossings of this character.

In the further interest of safety and economy, the law requiring street cars to be brought to a full stop at railroad crossings should be changed so as to permit them to cross without stopping when the proper mechanical protection is provided and it is so stipulated by the Commissioner of Railroads.

STREET AND HIGHWAY CROSSINGS.

The safety gates ordered by this department at street crossings are, with the exception of one, where changes in streets are in progress, in good condition, and the protection given is satisfactory. No instance of failure on the part of gatemen or flagmen to properly protect their crossings has come to my knowledge.

Of the four new highway crossings of railroads, for which you furnished plans and specifications, all that have been finished and inspected have been approved.

WIRE LINE CROSSINGS.

Under your instructions a large number of inspections of crossings of electric telephone and telegraph lines over the tracks of railroads have been made, and in the majority of cases the crossings found deficient have been changed to the standard construction authorized by you without the necessity of a formal order. In cases where orders have been issued, and the work inspected, it has been approved. While it has been impossible to reach each locality and make an inspection of all the crossings covered by the 175 orders containing plans and specifications for over 250 new wire and cable crossings issued by you, a majority of them have been found satisfactory.

To avoid multiplicity of orders, when additional wires were desired on existing lines, and to simplify record of same, you directed that the specifications heretofore in use for construction of wire crossings be revised, adding a limit to number of wires allowed on one line of poles at all crossings of railroads; also specifying dimensions of poles carrying a given number of wires. This was done September 12, 1896, and was generally approved by all concerned.

EQUIPMENT.

The general condition of motive power and other rolling stock in use in Michigan is not as good as at the close of 1895. This is due to reductions in expense of maintenance and postponement of certain classes of renewal and repair work.

The intention of many of the railroad companies to provide freight cars with automatic couplers and air brakes has been necessarily changed, and with the exception of two or three of largest companies limited progress has been made. I append a list of roads owning most of the cars operated in this State, showing per cent of freight cars equipped with automatic couplers and air brakes; also the number equipped with each during fiscal year ending October 1, 1896, and the pattern or kind of coupler adopted by each company:

Railroad.	Kind of coupler adopted.	Per cent of freight cars equipped with safety couplers, Oct. 1, 1896.	Per cent equipped with air brakes.	No. equipped with couplers during fiscal year ending Oct. 1, 1896.	No. equipped with air brakes, same period.
Ann Arbor R. R.	Trojan	57.2	41.6		
C., J. & M. Ry.	Janney	24	0	120	0
C. & W. M. Ry.	Gould	76	12	368	1
D., L. & N. R. R.	"	80	1	210	0
D., S. S. & A. Ry.	Trojan	37.7	21.2	48	801
F. & P. M. R. R.	Gould	21.7		349	6
G. R. & I. Ry.	Janney	55	17	371	153
C. & G. T. Ry.	Janney, Gould	7.88	7.88	296	296
L. S. & M. S. Ry.	Gould	83.01	62.54	4,780	3,816
M. C. R. R.	"	56.3	32.5	3,075	1,039
P., O. & N. R. R.	Henson	10			

Many companies are replacing the automatic couplers heretofore in use on passenger, baggage and express cars, with the Master Car Builders standard adopted, which secures greater strength and uniformity, is a more reliable coupling, and a decided improvement in passenger equipment.

The air brake equipment in passenger service is good, no knowledge of any casualties or material damage from air brake failures have come to this office.

Nearly all the railroad companies have established a school of instruction (with or without an air brake plant) in air brake practice for the more thorough education of engineers and all other trainmen in the use of the brake under all the varying conditions. After a course of instruction. enginemen are required to pass a standard examination of which record is made and certificate given, and which largely governs assignments in service.

The results of this instruction are already plainly apparent and very satisfactory, showing decreased damage to rolling stock and freight, as well as greater comfort to passengers.

Too much cannot be said to encourage this practice of instruction, as it is claimed and conceded that, with proper and judicious handling, accidents from failure of air brakes are practically impossible.

ACCIDENT BY MECHANICAL FAILURE.

A fatal accident occurred on the Chicago & Northwestern Railway at Trombley, near Escanaba, on July 8, 1896, caused by the explosion of boiler of Engine No. 13 on that road. John Stonehouse, engineer, was killed, and Conductor Rodgers, Fireman Buell, and Brakeman Girgens, injured.

Subsequent official investigation made by this department and findings at coroner's inquest were to the effect that the explosion was caused by the giving way of the right side of firebox on account of broken and defective stay bolts.

No other accidents caused by mechanical failure have come to my notice during the period under report.

Referring again to the accident on the F. & P. M. R. R. at Freesoil, April 16, 1895, mentioned in 1895 report, the cause of which was attributed to a sharp or worn flange on leading engine truck wheel of locomotive. In view of the fact that many wheels in engine trucks were found to be worn beyond the limit specified in Master Car Builders' standard rules, thus making a vertical wearing surface that rendered the wheels more or less dangerous on account of liability to climb the rail at split switches or where any irregularity might exist in the track, you directed that the matter be referred to the American Master Mechanics' Association asking information or recommendations as follows: "1st, Give extreme limit of flange wear consistent with safety in cast or steel tired engine truck wheels? 2d, What system of inspection will conduce to the best knowledge and record of condition of such wheels at all times? 3d, Should locomotive passenger equipment, especially engine truck wheels, be especially treated in this regard?"

The subject was referred to a special committee of five members of above named association who made a report at the annual session June 26, 1896, an abstract of which is herewith given, the part of report omitted refers especially to the economical use of steel tires.

THICKNESS OF ENGINE TRUCK WHEEL FLANGES.

"Your committee is asked to report on the thickness of engine truck wheel flanges, recommending the minimun thickness at which it is safe to allow the leading truck wheels to run.

"It may be well to preface our report with a brief statement of the occasion of the appointment of a committee on this subject. At the last convention, at Alexandria Bay, a communication was received from Mr. T. J. Hatswell, master mechanic of the Flint & Pere Marquette railroad, asking that this matter of the thickness of engine truck wheel flanges be discussed. It appears that Mr. Hatswell had had a difference of opinion between himself and the Railroad Commissioner of the State of Michigan, arising from an accident on his line by the derailment of an engine at a frog on a perfectly straight track, which was attributed to a thin flange on the engine truck wheel. The wheel in question was steel tired. The flange of the wheel, measuring by the gauge, was 13-16 of an inch, which Mr. Hatswell considered perfectly safe in running. The commissioners fell back on the M. C. B. rules, claiming that they recommended wheels to be condemned with a flange one inch in thickness, and that a steel tired wheel ought not to be rated with a flange thinner than a cast-iron wheel.

"The convention did not take the matter up at the time (see p. 274 of M. M. Report for 1895), but the topic was later on assigned to your committee.

"We have made rather extended investigations and find a considerable variance in practice. We find the allowable thickness to vary from $\frac{3}{4}$ to $1\frac{1}{8}$ inches in steel wheels, and from $\frac{7}{8}$ to 1 3-16 inches in cast-iron wheels, a range for which there seems to be no good reason. There is a considerable number of mechanics who follow the practice of permitting a thinner flange in steel wheels than on cast-iron wheels, and we confess that your committee started its work of investigation with a bias in favor of this practice. It seemed at first that a steel tired flange could be worn thinner than a cast-iron flange, inasmuch as in condemning one the reasons were entirely different; that is to say, a cast-iron flange ought to be condemned

when it developed wear, on account of its liability to break, whereas a steel tired flange ought to be condemned when it showed wear, not on account of its liability to break, but on account of its liability to climb the rail through being sharp. We very shortly changed our views of this matter, however, and now think it can be demonstrated very clearly that there should be but one thickness as a minimum for a leading engine truck flange, whether the material is cast-iron or steel."

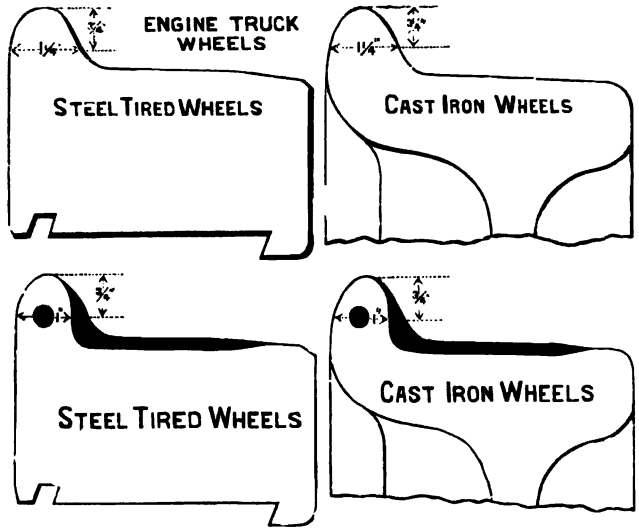
CONCLUSIONS.

"To sum up, your committee would definitely recommend:

1. That the minimum thickness of leading engine truck wheel flanges should be the same for both iron and steel wheels.

2. That the minimum thickness be 1 inch, measured at a point ¾ inch from the top of flange, as shown on the appended diagram.

Pulaski Leeds, G. W. Rhodes, R. M. Galbraith, A. F. Stewart, W. D. Crosman, committee."



This report was approved, and the conclusion adopted as standard by the association. The consideration of this matter by the highest mechanical authority in the country, with record of recommendations, thus brought before officials in charge of railroad machinery through this department, cannot fail to be of good effect, and I believe that danger of accident from worn wheels will be materially diminished.

POLICE REGULATIONS.

No flagrant violations of law for the government of employès in the operation of trains in the State have been noted. A few instances of non-

observance of some of the regulations have been corrected without the necessity of extreme measures or the infliction of penalties.

I am under many obligations to the employés in train service in the State, for the cheerful and hearty compliance with the terms of many suggestions for correction of practices which were considered detrimental to good service. The officials of railroads in Michigan are entitled to our thanks for information and data furnished, facilities for making special inspections and general coöperation in improvement of mechanical conditions.

I desire to express to you my appreciation of your general approval of my official acts, and to thank all connected with the department for their uniform courtesy and generous treatment.

Respectfully submitted,

E. F. MOORE,

Mechanical Engineer.

APPENDIX.

STATEMENT

OF NEW RAILROAD CORPORATIONS FORMED AND REORGANIZATIONS, AMENDMENTS OF OLD CHARTERS AND MISCELLANEOUS CHANGES SINCE DATE OF THE LAST REPORT FROM THE COMMISSIONER OF RAILROADS, AS SHOWN BY RETURNS FROM THE OFFICE OF THE SECRETARY OF STATE, OCTOBER 30, 1896.

NEW CORPORATIONS.

DETROIT & CINCINNATI RAILWAY CO.
Termini, State line Lenawee county and Detroit.
Proposed length, 62 miles.
Capital stock, $500,000.
Articles filed, March 7, 1896.

LEWISTON & SOUTHEASTERN RAILROAD CO.
Termini, Lewiston and Sec. 9, T. 27 N., R. 2 E., Oscoda county.
Proposed length, 15 miles.
Capital stock, $60,000.
Articles filed, May 26, 1896.

REORGANIZATIONS.

GRAND RAPIDS & INDIANA RAILWAY CO.
Reorganization of the Grand Rapids & Indiana Railroad Co.
Capital stock, $6,000,000.
Articles filed, July 11, 1896.

OFFICIAL ORDERS

ISSUED BY THE COMMISSIONER OF RAILROADS OF THE STATE OF MICHIGAN, FROM DECEMBER 5, 1895, TO NOVEMBER 24, 1896.

1895.

1. Dec. 5. To J. B. Ware, manager of the Citizens' Telephone Company, Grand Rapids, Mich., and Chas. M. Heald, general manager of the Chicago & West Michigan Railway Company and the Detroit, Lansing & Northern Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the C. & W. M. Ry. and D., L. & N. R. R. in the city of Grand Rapids, county of Kent, Michigan.

2. Dec. 5. To J. B. Ware, manager of the Citizens' Telephone Company, Grand Rapids, Mich., and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. in the city of Grand Rapids, county of Kent, Michigan.

3. Dec. 5. To J. B. Ware, manager of the Citizens' Telephone Company, Grand Rapids, Mich., and W. J. Spicer, general manager of the Detroit, Grand Haven & Milwaukee Railway Company.
Special order permitting Telephone Company to string wires over the D., G. H. & M. Ry. in the city of Grand Rapids, county of Kent, Michigan.

4. Dec. 5. To J. B. Ware, manager of the Citizens' Telephone Company, Grand Rapids, Mich., and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. on Watson, Fulton, Straight and Bowery streets and Butterworth avenue, in the city of Grand Rapids, county of Kent, Michigan.

5. Dec. 5. To J. B. Ware, manager of the Citizens' Telephone Company, and J. H. P. Hughart, general manager of the Grand Rapids & Indiana Railroad Company.
Special order permitting Telephone Company to string wires over the G. R. & I. R. R. in the city of Grand Rapids, county of Kent, Michigan.

6. Dec. 11. To Dan G. Smith, Portland, Mich., and Chas. M. Heald, general manager of the Detroit, Lansing & Northern Railroad Company.
Special order permitting Dan. G. Smith to string a telephone wire over the D., L. & N. R. R. on the poles owned by Dell Wade, in the village of Portland, county of Ionia, Michigan.

7. Dec. 14. To H. B. Ledyard, president of the Michigan Central Railroad Company, D. W. Caldwell president of the Lake Shore & Michigan Southern Railway Company, and M. H. Lane, general manager of the Chicago & Kalamazoo Terminal Railroad Company.
Special order approving interlocking device at the crossing of the three railroads in the city of Kalamazoo, county of Kalamazoo, Michigan.

8. Dec. 31. To F. A. Forbes, general manager of the Michigan Telephone company, H. B. Ledyard, president of the Michigan Central Railroad Company, W. J. Spicer, general manager of the Grand Trunk Railway Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the railroads named, on Warren and Wabash avenues in the city of Detroit, county of Wayne, Michigan.

1896.

9. Jan. 4. To S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company, and E. Buckley, president of the Manistee & Northeastern Railroad Company.
Special order modifying official approval of interlocking plant at the crossing of the two roads at Manistee, Michigan.

10. Jan. 6. To B. F. Woodbury & Co., Homer, Mich., and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Woodbury & Co. to string a telephone wire over the tracks of the L. S. & M. S. Ry. on Hamilton street, in the village of Homer, county of Calhoun, Michigan.

11. Jan. 16. To Chas. M. Heald, general manager of the Detroit, Lansing & Northern Railroad Company, and H. A. Everett, general manager of the Detroit Railway Company.
Special order for construction of the crossing of the two roads on Buchanan street in the city of Detroit, county of Wayne, Michigan.

12. Feb. 3. To F. A. Forbes, general manager of the Michigan Telephone Company and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the L. S. & M. S. Ry. on Russell street in the city of Detroit, county of Wayne, Michigan.

13. Feb. 3. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company,
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. on Market street in the city of Hudson, county of Lenawee, Michigan.

14. Feb. 3. To F. A. Forbes, general manager of the Michigan Telephone Company, and F. B. Drake, receiver of the Cincinnati, Jackson & Mackinaw Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the C., J. & M., Ry. on Jackson street in the city of Hudson, county of Lenawee, Michigan.

15. Feb. 11. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. R'y at Crawford street and Lincoln avenue, in the city of Detroit, county of Wayne, Michigan.

16. February 11. To A. B. Lyster, commissioner of highways, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order of plans and specifications for highway crossing in the township of Columbia, county of Van Buren, Michigan.

17. Feb. 25. To P. A. Leonard, secretary of the U. S. Electric Telephone Company, and H. W. Ashley, general manager of the Ann Arbor Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the Ann Arbor Railroad at Center street, in the village of Alma, county of Gratiot, Michigan.

18. Feb. 25. To P. A. Leonard, secretary of the U. S. Electric Telephone Company, and Chas. M. Heald, general manager of the Detroit, Lansing & Northern Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the D., L. & N. R. R. at Center street, in the village of Alma, county of Gratiot, Michigan.

19. Feb. 28. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Cass avenue, in the City of Detroit, county of Wayne, Michigan.

20. Feb. 28. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. at Pearl street, in the village of Three Rivers, and at Michigan street, in the city of Adrian, Michigan.

21. Feb. 28. To F. A. Forbes, general manager of the Michigan Telephone Company, and W. J. Spicer, general manager of the Grand Trunk Lines west of St. Clair Tunnel.
Special order permitting Telephone Company to string wires over the tracks of G. T. Lines west of St. Clair Tunnel at Cass avenue, in the city of Detroit, county of Wayne, Michigan.

22. Feb. 28. To F. A. Forbes, general manager of the Michigan Telephone Company, and E. A. Gould, superintendent of Eastern Division of the Wabash Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the Wabash R. R. at Michigan street, in the city of Adrian, Michigan.

23. March 4. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. at Portage and Vine streets, in the city of Kalamazoo, Michigan.

24. March 5. To H. G. Hutzler, village clerk of Manton, Michigan, and J. H. P. Hughart, general manager of the Grand Rapids & Indiana Railroad Company.
Special order permitting village authorities to string telephone wires over the tracks of the G. R. & I. R. R., in the village of Manton, Michigan.

25. March 9. To W. A. Doyle, general manager of the Kalamazoo Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order to change the proposed and existing construction of wires over the tracks of the L. S. & M. S. Ry. at various places in the city of Kalamazoo, Michigan.

26. March 9. To F. A. Forbes, general manager of the Michigan Telephone Company, and W. J. Spicer, general manager of Grand Trunk Lines west of St. Clair Tunnel.
Special order permitting Telephone Company to string wires over the tracks of the G. T. Lines west of St. Clair Tunnel, at Michigan avenue, in the city of Detroit, Michigan.

27. March 10. To H. A. Everett, vice president of the Detroit Railway Company, H. P. Ledyard, president of the Michigan Central Railroad Company, D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company, W. J. Spicer, general manager of the Grand Trunk Lines west of St. Clair Tunnel, and E. A. Gould, superintendent of Eastern Division of Wabash Railroad Company.
Special order permitting the Detroit Railway Company to string additional wires over various railroads at various street crossings in the city of Detroit, Michigan.

28. March 10. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. &. M. S. Ry. at Cass avenue, and between Harper and Piquette avenues in the city of Detroit, Michigan.

29. March 10. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Beeson street, in the village of Dowagiac, Michigan.

30. March 10. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Michigan avenue, in the city of Detroit, Michigan.

31. March 11. To W. A. Doyle, general manager of the Kalamazoo Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order for the restringing of wires over the tracks of the M. C. R. R. at Eleanor street, in the city of Kalamazoo, Michigan.

32. March 12. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string two additional wires over the tracks of the L. S. & M. S. Ry. at Michigan avenue, in the city of Detroit, Michigan.

33. March 12. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. W. Ashley, general manager of the Ann Arbor Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the A. A. R. R. at Owosso, Michigan.

34. March 12. To F. A. Forbes, general manager of the Michigan Telephone Company, and J. H. P. Hughart, general manager of the Grand Rapids & Indiana Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the G. R. & I. R. R. at West street, in the village of Sturgis, Michigan.

35. March 12. To F. A. Forbes, general manager of the Michigan Telephone Company, and W. J. Spicer, general manager of the Grand Trunk Lines west of St. Clair Tunnel.
Special order permitting Telephone Company to string wires over the tracks of the G. T. R'y at Ferry avenue, in the city of Detroit, Michigan.

36. March 16. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Pulford street in the city of Detroit, also at Owosso Junction, Michigan.

37. March 17. To F. A. Forbes, general manager of the Michigan Telephone Company, D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. at Ferry avenue in the city of Detroit, Michigan.

38. March 18. To F. A. Forbes, general manager of the Michigan Telephone Company, and W. J. Spicer, general manager of the Detroit, Grand Haven & Milwaukee Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the D., G. H. & M. R'y between Fort and Congress streets, and at Clinton street in the city of Detroit, Michigan.

39. March 19. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Kercheval avenue in the city of Detroit, Michigan.

40. March 21. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. at West and Jacob streets, in the village of Sturgis, Michigan.

41. March 25. To Chas. M. Heald, general manager of the Chicago and West Michigan Railway Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order modifying official approval of interlocking plant at Baldwin, Michigan.

42. March 25. To Chas. M. Heald, general manager of the Chicago and West Michigan Railway Company, and Edward Buckley, president of the Manistee & North Eastern Railroad Company.
Special order modifying official approval of interlocking plant at Interlochen, Mich.

43. March 26. To Chas. M. Heald, general manager of the Chicago & West Michigan Railway Company, and H. W. Ashley, general manager of the Ann Arbor Railroad Company.
Special order modifying the official approval of interlocking plant at Thompsonville, Michigan.

44. March 26. To F. A. Forbes, general manager of the Michigan Telephone Company, and W. J. Spicer, general manager of the Grand Trunk Lines west of St. Clair Tunnel.
Special order permitting Telephone Company to string wires over the tracks of the Grand Trunk Ry. at Michigan avenue in the city of Detroit, Michigan.

45. March 30. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string two additional wires over the tracks of the M. C. R. R. at Michigan avenue in the city of Detroit, Michigan.

46. March 30. To G. M. Axford, Orion, Mich., and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting G. M. Axford to string a telephone wire over the tracks of the M. C. R. R. at Orion, Michigan.

47. March 30. To F. A. Forbes, general manager of the Michigan Telephone Company, and W. J. Spicer, general manager of the Grand Trunk Lines west of St. Clair Tunnel.
Special order permitting Telephone Company to string two wires over the tracks of the G. T. Ry. at Milwaukee avenue in the city of Detroit, Michigan.

48. March 31. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string two additional wires over the tracks of the M. C. R. R. at Milwaukee avenue in the city of Detroit, Michigan.

49. March 31. To the Ann Arbor Railroad Company, and Detroit, Grand Haven & Milwaukee and Cincinnati, Saginaw & Mackinaw Railroad Companies operated by Grand Trunk Lines west of St. Clair Tunnel.
Special order for the erection and maintenance of safety gates at the crossing of the railroads on Main street in the village of Durand, Michigan.

50. April 3. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. R'y at Michigan avenue in the city of Detroit, Michigan.

51. April 3. To F. A. Forbes, general manager of the Michigan Telephone Company, and Chas. M. Heald, general manager of the Detroit, Lansing & Northern Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the D., L. & N. R. R. at Michigan avenue in the city of Detroit, Michigan.

52. April 7. To J. T. Swigert, secretary of the Crowley Telephone Company, and W. J. Spicer, general manager of the Detroit, Grand Haven & Milwaukee Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the D., G. H. & M. Ry. on Brush street, St Johns, Michigan.

53. April 8. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string two wires over the G. R. V. R. R. in the city of Hastings, Michigan.

54. April 10. To F. A. Forbes, general manager of the Michigan Telephone Company, and James H. Dewing, general manager of the Chicago, Kalamazoo, & Saginaw Railway Company.
Special order permitting Telephone Company to string one wire over the tracks of the C., K. & S. Ry. at State street in the city of Hastings, Michigan.

55. April 10. To F. A. Forbes, general manager of the Michigan Telephone Company, H. B. Ledyard, president of the Michigan Central Railroad Company, and J. W. Fortune, assistant to general manager of the Grand Trunk Lines.
Special order permitting Telephone Company to string wire over the tracks of the M. C. R. R. and the Grand Trunk Ry. at John R street in the city of Detroit, Michigan.

56. April 10. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wire over the tracks of the M. C. R. R. at North Sycamore street in the city of Niles, Michigan.

57. April 10. To the West Michigan Telephone Company, Chas. M. Heald, general manager of the Chicago & West Michigan Railway Company, and F. B. Drake, general manager of the Cincinnati, Jackson & Mackinaw Railway Company.
Special order permitting Telephone Company to string wire over the tracks of the C. & W. M. and C., J. & M. Rys. in the village of Allegan, Michigan.

58. April 10. To the West Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wire over the tracks of the L. S. & M. S. Ry. near the village of Allegan, Michigan.

59. April 15. To F. A. Forbes, general manager of the Michigan Telephone Company, and Chas. M. Hays, general manager of the Grand Trunk Railway System.
Special order permitting Telephone Company to string wire over the tracks of the D. G. H. & M. Ry. in the village of St. Johns, Michigan.

60. April 16. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wire over the tracks of the L. S. & M. S. Ry. at John R street in the city of Detroit, Michigan.

61. April 13. To Chicago & West Michigan Railway Company and the West Michigan Stone Company.
Special order permitting the West Michigan Stone Company to string two guy wire cables over the C. & W. M. Ry. tracks at Waverly, Ottawa county, Michigan.

62. April 20. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Reese, and one mile south of Reese, Michigan.

63. April 29. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. W. Ashley, general manager of the Ann Arbor Railroad Company.
Special order permitting Telephone Company to string wire over the tracks of the A. A. R. R. between Shiawassee and Elm streets, Owosso, Michigan.

64. April 29. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wire over the tracks of the M. C. R. R. on Shiawassee street, Owosso, Michigan.

65. May 2. To F. A. Forbes, general manager of the Michigan Telephone Company, and John E. Smith, superintendent of Union Station & Terminal Associations.
Special order permitting Telephone Company to string two wires over the tracks of the Union Station & Terminal Associations on Twenty-First street, in the city of Detroit, Michigan.

66. May 2. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string fifteen wires over the tracks of the M. C. R. R. at Porter street in the city of Detroit, and two wires on highway between Leslie and Rives Junction, Michigan.

67. May 5. To F. A. Forbes, general manager of the Michigan Telephone Company, and Chas. M. Hays, general manager of the Grand Trunk Railway.
Special order permitting Telephone Company to string two wires over the tracks of he C. & G. T. Ry. at Cedar street in the city of Lansing, Michigan.

68. May 5. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string two wires over the tracks of the L. S. & M. S. Ry. at South street in the city of Lansing, Michigan.

69. May 11. To J. B. Ware, manager of the Citizens' Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. north of Fulton street in the city of Grand Rapids, Michigan.

70. May 11. To F. A. Forbes, general manager of the Michigan Telephone Company, and J. H. P. Hughart, general manager of the Grand Rapids & Indiana Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the G. R. & I. R. R. at Bridge street, Plainwell, and on north side Parsons street, Kalamazoo, Michigan.

71. May 11. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. at Broad street, Plainwell, Michigan.

72. May 13. To Isaac Bearinger, president of the Inter Urban Railway Company, and Chas. M. Hays, general manager of the Chicago & Grand Trunk Railway Company.
Special order for the construction and operation of the crossing of the Inter Urban and C. S. & M. Rys. at Melbourne, Saginaw county, Michigan.

73. May 14. To F. A. Forbes, general manager of the Michigan Telephone Company, and Chas. M. Heald, general manager of the Chicago & West Michigan Railway Company.

Special order permitting Telephone Company to string five wires over the tracks of the C. & W. M. Ry. at Petoskey street, Petoskey, and twenty-five wires at crossing of State road between Petoskey and Bay View, Michigan.

74. May 14. To F. A. Forbes, general manager of the Michigan Telephone Company, and J. H. P. Hughart, general manager of the Grand Rapids & Indiana Railroad Company.

Special order permitting Telephone Company to string wires over the tracks of the G. R. & I. R. R. at Howard, Mitchell, Washington and Lake streets in the city of Petoskey, Mich.

75. May 14. To F. A. Forbes, general manager of the Michigan Telephone Company, and Chas. M. Hays, general manager of the Grand Trunk Railway Company.

Special order permitting Telephone Company to string wires over the tracks of the G. T. Ry. between Maple and Chestnut streets, and at Lincoln avenue in the city of Detroit, Michigan.

76. May 16. To F. A. Forbes, general manager of the Michigan Telephone Company, H. B. Ledyard, president of the Michigan Central Railroad Company, D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company, Chas. M. Heald, receiver of the Detroit, Lansing & Northern Railroad Company, and Chas. M. Hays, general manager of the Grand Trunk Lines west of St. Clair Tunnel.

Special order permitting Telephone Company to string wires over the tracks of the several railroads at Michigan avenue in the city of Detroit, Michigan.

77. May 16. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.

Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Centreville, one mile west of Centreville, cor Saginaw and Hamilton streets, and cor. Mackinaw and Hamilton streets, in the city of Saginaw, Michigan.

78. May 16. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.

Special order permitting Telephone Company to string wires over the L. S. & M. S. Ry. at Lincoln avenue in the city of Detroit, Michigan.

79. May 16. To F. A. Forbes, general manager of the Michigan Telephone Company, and John E. Smith, superintendent of the Union Station & Terminal Associations.

Special order permitting Telephone Company to string wires over the tracks of the Union Station & Terminal Ass'n at Campbell avenue in the city of Detroit, Michigan.

80. May 19. To F. A. Forbes, general manager of the Michigan Telephone Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.

Special order permitting Telephone Company to string wires over the tracks of the F. & P. M. R. R. at Crow Island; also at North Washington avenue, in the city of Saginaw, Michigan.

81. May 23. To G. R. Hurd, president of the Electric Light & Power Company, Monroe, Mich., and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.

Special order permitting Electric Light Company to string wires over the tracks of the L. S. & M. S. Ry. near Wadsworth street in the city of Monroe, Michigan.

82. May 26. To W. B. Mershon & Co., H. B. Ledyard, president of the Michigan Central Railroad Company, S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company, and Chas. M. Hays, general manager of the Grand Trunk Railway Company.

Special order permitting W. B. Mershon & Co. to string wires over the tracks of the various railroads at Mershon Station, Michigan.

83. May 13. To Chas. M. Heald, general manager of the Chicago & West Michigan Railway Company, and John Canfield, president of the Manistee & Grand Rapids Railroad Company.
Special order permitting temporary crossing where the two roads cross one mile south of Peters Junction, Michigan.

84. May 27. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires across M. C. R. R. at Hall's Brick Yard, in the city of Detroit, also at Ash & B streets, in the city of Mason, Michigan.

85. May 27. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wire over the tracks of the L. S. & M. S. Ry. at Acker street, in the city of Kalamazoo, Michigan.

86. May 28. To J. B. Ware, manager of the Citizens' Telephone Company, Grand Rapids, Mich., and Chas. M. Heald, general manager of the Chicago & West Michigan Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the C. & W. M. Ry. at Grandville, and one mile east of Grandville and Jenisonville, Michigan.

87. June 2. To Emerson Graham, commissioner of highways, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order of plans and specifications for highway crossing in Kawkawlin township, Bay county, Michigan.

88. June 3. To J. B. Ware, manager of the Citizens' Telephone Company, Grand Rapids, Mich., and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. near Grand Rapids on the Grandville road, Michigan.

89. June 9. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Crawford street, in the city of Detroit, at Mechanic street in the city of Jackson, and at Main street in the village of Chelsea, Michigan.

90. June 9. To F. A. Forbes, general manager of the Michigan Telephone Company, and Chas. M. Hays, general manager of the Grand Trunk Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the G. T. Ry. at Crawford street in the city of Detroit, and on highway two miles north of Jackson, Michigan.

91. June 11. To Isaac Bearinger, president of the Inter Urban Railway Company, H. B. Ledyard, president of the Michigan Central Railroad company, and Chas. M. Hays, general manager of the Chicago & Grand Trunk Railway Company.
Special order modifying approval of crossing of railroads one-half mile north of Carrollton, Saginaw county, Michigan.

92. June 11. To Isaac Bearinger, president of the Inter Urban Railway Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order modifying approval of crossing of railroads at Zilwaukee, Michigan.

93. June 11. To H. J. Kinnucan, superintendent of the Postal Telegraph-Cable Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telegraph-Cable Company to string wires over the tracks of the L. S. & M. S. Ry. at Kalamazoo street, in the city of Kalamazoo, Michigan.

94. June 12. To B. F. Woodbury & Co., Homer, Mich., and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting company to string wires over the tracks of the L. S. & M. S. Ry. between Main and Adams streets, in the village of Homer, Michigan.

95. June 12. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. at Crawford street in the city of Detroit, Michigan.

96. June 12. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Eaton street in the city of Albion, Michigan.

97. June 17. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Gratiot avenue in the city of Detroit, Michigan.

98. June 17. To F. A. Forbes, general manager of the Michigan Telephone Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the F. & P. M. R. R. at Eighth and Third streets in the city of Flint, Michigan.

99. June 17. To E. E. Burdick, general manager of the Saginaw County Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. near Reese station, Michigan.

100. June 19. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. &. M. S. Ry. at Alcott street in the city of Kalamazoo, Michigan.

101. June 20. To I. D. H. Ralph, president of the Owosso & Corunna Traction Company, and H. W. Ashley, general manager of the Ann Arbor Railroad Company.
Special order for additional protection at crossing of the two railroads at Shiawassee avenue in the city of Corunna, and Washington street and Corunna road in the city of Owosso, Michigan.

102. June 22. To Chas. M. Heald, receiver of the Detroit, Lansing & Northern Railroad Company, and Chas. M. Hays, general manager of the Toledo, Saginaw & Muskegon Railway Company.
Special order modifying official approval of interlocking plant at the crossing of the two railroads near Sheridan, Montcalm county, Michigan.

103. June 22. To Chas. M. Heald, general manager of the Chicago & West Michigan Railway Company, and Chas. M. Hays, general manager of the Toledo, Saginaw & Muskegon Railway Company.
Special order modifying official approval of interlocking plant at the crossing of the two railroads at Sparta, Kent county, Michigan.

104. June 27. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Niles Paper Company's mill in the city of Niles, Michigan.

105. June 13. To H. B. Ledyard, president of the Michigan Central Railroad Company, Chas. M. Hays, general manager of the Grand Trunk Railway Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order to station and maintain a flagman at Maybury avenue crossing in the city of Detroit, Michigan.

106. July 2. To I. Bearinger, president of the Inter Urban Railway Company, S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company, C. M. Hays, general manager of the Chicago & Grand Trunk Railway Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order modifying official approval of interlocking plant at the crossing of the various railroads at Mershon, Saginaw county, Michigan.

107. July 6. To F. A. Forbes, general manager of the Michigan Telephone Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the F. & P. M. R. R. at Main street in the City of Flint, and on highway at Grand Blanc and Bridgeport, Michigan.

108. July 6. To F. A. Forbes, general manager of the Michigan Telephone Company, and Chas. M. Hays, general manager of the Grand Trunk Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the G. T. Ry. on Main street in the city of Flint; on highway in Drayton Plains, and east of Drayton Plains, Michigan.

109. July 6. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. at Alcott street in the city of Kalamazoo, Michigan.

110. July 7. To E. LaMarche, commissioner of highways, and John M. Whitman, general manager of the Chicago & North Western Railway Company.
Special order of plans and specifications for highway crossings near Nadeau, Mich.

111. July 10. To F. A. Forbes, general manager of the Michigan Telephone Company, H. B. Ledyard, president of the Michigan Central Railroad Company, D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company, and Chas. M. Hays, general manager of the Grand Trunk Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the railroads at Cass avenue, in the city of Detroit, Michigan.

112. July 10. To M. J. Haskin, manager of the Imlay City Electric Company, and Chas. M. Hays, general manager of the Grand Trunk Railway Company.
Special order permitting the Electric Company to string wires over the tracks of the C. & G. T. Ry. at Imlay City, Michigan.

113. July 10. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. on Race and South Jefferson streets, and near freight house in the city of Coldwater, Michigan.

114. July 10. To F. A. Forbes, general manager of the Michigan Telephone Company, and F. B. Drake, receiver of the Cincinnati, Jackson & Mackinaw Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the C., J. & M. Ry. near Lydia street, in the city of Battle Creek, Michigan.

115. July 14. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires across the tracks of the L. S. & M. S. Ry. near (south) of the city of Kalamazoo, Michigan.

116. July 15. To F. A. Forbes, general manager of the Michigan Telephone Company, and Chas. M. Heald, general manager of the Chicago & West Michigan Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the C. & W. M. Ry. at Waterloo street and Grandville avenue in the city of Grand Rapids; also near Grandville and Holland, Michigan.

117. July 15. To F. A. Forbes, general manager of the Michigan Telephone Company, and J. H. P. Hughart, general manager of the Grand Rapids & Indiana Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the G. R. & I. R. R. at Waterloo street and Grandville avenue in the city of Grand Rapids, and on Grandville avenue near the city limits.

118. July 15. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires on Grandville road near the city of Grand Rapids, Michigan.

119. July 15. To E. E. Downs, general manager of the Citizens' Street Railway Company, and M. H. Lane, president of the Chicago & Kalamazoo Terminal Railroad Company.
Special order for construction and maintenance of crossing of the two roads on east Main street in the city of Kalamazoo, Michigan.

119½. July 15. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. near St. Clair, Michigan.

120. July 20. To H. A. Everett, general manager of the Detroit Railway Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order for the construction of crossing at Dix road in Springwells township, Wayne county, Michigan.

121. July 22. To F. A. Forbes, general manager of the Michigan Telephone Company, and W. C. Sanford, general superintendent of the Pontiac, Oxford & Northern Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the P., O. & N. R. R. at Willow avenue in the city of Pontiac, Michigan.

122. July 24. To H. B. Ledyard, president of the Michigan Central Railroad Company, D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company, Chas. M. Hays, general manager of the Grand Trunk Railway Company, and A. B. duPont, general manager of the Detroit Citizens' Street Railway Company.
Special order for construction and maintenance of crossing of tracks at Grand River avenue in the city of Detroit, Michigan.

123. July 28. To F. A. Forbes, general manager of the Michigan Telephone Company, and S. T. Blizard, superintendent of Michigan division of Cleveland, Cincinnati, Chicago & St. Louis Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the C., C., C. & St. L. Ry. at Pokagon street in the city of Niles, Michigan.

124. July 28. To James E. Tryon, secretary of the Michigan Auxiliary Fire Alarm Company, and E. A. Gould, superintendent of the Eastern Division of the Wabash Railroad Company.
Special order permitting Fire Alarm Company to string wires over the tracks of the Wabash R. R. on Harper avenue in the city of Detroit, Michigan.

125. July 28. To James E. Tryon, secretary of the Michigan Auxiliary Fire Alarm Company, D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company, and Chas. M. Hays, general manager of the Grand Trunk Railway Company.
Special order permitting Fire Alarm Company to string wires over the tracks of railroads at Harper avenue in the city of Detroit, Michigan.

126. July 28. To F. A. Forbes, general manager of the Michigan Telephone Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order permitting Telephone Company to string wires over the F. & P. M. R. R. at Main street in the village of Clio, Michigan.

127. July 31. To Isaac Bearinger, president of the Inter Urban Railway Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order for construction and maintenance of the crossing of the two roads on the McGraw farm in Bay City, Michigan.

128. July 31. To D. Eldred, president of the Southern Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. at Moorepark, Michigan.

129. July 31. To H. W. Ashley, general manager of the Ann Arbor Railroad Company, and Chas. M. Hays, general manager of the Air Line Railway Company.
Special order approving interlocking plant at the crossing of the two roads at Hamburg Junction, Livingston county, Michigan.

130. Aug. 4. To F. A. Forbes, general manager of the Michigan Telephone Company, and John E. Smith, superintendent of the Union Station & Terminal Associations.
Special order permitting Telephone Company to string wires over the tracks of the U. S. & T. Ass'n at McKinstry avenue, and between Twenty-second and Twenty-third streets in the city of Detroit, Michigan.

131. Aug. 4. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at River road, west of River Rouge, Michigan.

132. Aug. 12. To F. A. Forbes, general manager of the Michigan Telephone Company, H. B. Ledyard, president of the Michigan Central Railroad Company, D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company, and Chas. M. Hays, general manager of the Grand Trunk Railway Company.
Special order permitting Telephone Company to string wires over the railroads at John R street in the city of Detroit, Michigan.

133. Aug. 12. To F. A. Forbes, general manager of the Michigan Telephone Company, H. B. Ledyard, president of the Michigan Central Railroad Company, and Chas. M. Hays, general manager of the Cincinnati, Saginaw & Mackinaw Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the two roads on Weiss street in the city of Saginaw, Michigan.

134. Aug. 13. To F. A. Forbes, general manager of the Michigan Telephone Company, H. B. Ledyard, president of the Michigan Central Railroad Company, S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company, and Chas. M. Hays, general manager of the Cincinnati, Saginaw & Mackinaw Railway Company.
Special order permitting Telephone Company to string wires over the railroads at Loeffler street, Carrollton, Michigan.

135. Aug 13. To F. A. Forbes, general manager of the Michigan Telephone Company, H B. Ledyard, president of the Michigan Central Railroad Company, and Chas. M. Hays, general manager of the Cincinnati, Saginaw & Mackinaw Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. and C., S. & M. Ry. at Zilwaukee, Michigan.

136. Aug. 13. To F. A. Forbes, general manager of the Michigan Telephone Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the F. & P. M. R. R. at Michigan avenue, Carrollton, Michigan.

137. Aug. 14. To John Canfield, president of the Manistee & Grand Rapids Railroad Company, and Chas. M. Heald, general manager of the Chicago & West Michigan Railway Company.
Special order approving interlocking plant at the crossing of the two roads at Peters, Lake county, Michigan.

138. Aug. 14. To F. A. Forbes, general manager of the Michigan Telephone Company, and F. D. Underwood, general manager of the Minneapolis, St. Paul & Sault Ste. Marie Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the M., St. P. & S. Ste. M. Ry. at and near Gladstone, Michigan.

139. Aug. 17. To Jipson, Carter & Co., Blissfield, Mich., and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting company to string wires over the tracks of the L. S. & M. S. Ry. near Blissfield, Michigan.

140. Aug. 17. To Chas. M. Heald, receiver of the Detroit, Lansing & Northern Railroad Company, and H. W. Ashley, general manager of the Ann Arbor Railroad Company.
Special order approving interlocking plant at crossing of the two roads at Howell Junction, Michigan.

141. Aug. 19. To W. A. Foote, president of the Jackson Light & Power Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting company to string wires over the tracks of the M. C. R. R. near Withington & Cooley's shops, in the city of Jackson, Michigan.

142. Aug. 19. To H. B. Ledyard, president of the Michigan Central Railroad Company, and E. H. Butler, president of the Fort Wayne & Belle Isle Railway Company.
Special order for construction and maintenance of second track at crossing of the two roads at Delray, Wayne county, Michigan.

143. Aug. 21. To F. A. Forbes, general manager of the Michigan Telephone Company, and S. T. Blizard, superintendent of the Michigan division of the Cleveland, Cincinnati, Chicago & St. Louis Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the C., C., C. & St. L. Ry. at Pokagon street, in the city of Niles, Michigan.

144. Aug. 21. To H. A. Everett, vice president of the Detroit Railway Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order for construction and maintenance of crossing of the two roads on Michigan avenue, in township of Springwells, county of Wayne, Michigan.

145. Aug. 22. To Croswell Electric Light Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order permitting Electric Light Company to string wires over the tracks of the F. & P. M. R. R. in the village of Croswell, Michigan.

146. Aug. 24. To Jipson. Carter & Co., Blissfield, Mich., and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting company to string wires over the tracks of the L. S. & M. S. Ry. at Blissfield, Michigan.

147. Aug. 27. To F. A. Forbes, general manager of the Michigan Telephone Company, and J. M. Whitman, general manager of the Chicago & North Western Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the C. & N. W. Ry. in and near Ironwood, Bessemer and Ramsey, Michigan.

148. Aug. 27. To F. A. Forbes, general manager of the Michigan Telephone Company, and S. H. Collins, general superintendent of the Wisconsin Central Lines.
Special order permitting Telephone Company to string wires over the tracks of the Wisconsin Central Lines at Lowell street in the city of Ironwood, Michigan.

149. Aug. 27. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. I. Miller, general superintendent of the Vandalia Line.
Special order permitting Telephone Company to string wires over the tracks of the Vandalia Line near St. Joseph, Michigan.

150. Aug. 29. To F. A. Forbes, general manager of the Michigan Telephone Company, and John E. Smith, superintendent of the Union Station & Terminal Associations.
Special order permitting Telephone Company to string wires over the tracks of the U. Sta. & Terminal Ass'n at Baugh's Steam Forge, between Clark and McKinstry avenues in the city of Detroit, Michigan.

151. Aug. 31. To I. Bearinger, president of the Inter Urban Railway Company, H. B. Ledyard, president of the Michigan Central Railroad Company, A. B. Atwater, superintendent of the Chicago & Grand Trunk Railway Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order approving safety gates at the crossing of the railroads between Mershon and Zilwaukee, Saginaw county, Michigan.

152. Aug. 31. To H. B. Ledyard, president of the Michigan Central Railroad Company, and I. Bearinger, president of the Inter Urban Railway Company.
Special order permitting the Inter Urban Railway Company to construct feed wire cable over the tracks of the M. C. R. R. on Genesee avenue in the city of Saginaw, W. S., Michigan.

153. Aug. 31. To F. A. Forbes, general manager of the Michigan Telephone Company, H. B. Ledyard, president of the Michigan Central Railroad Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. and F. & P. M. R. R. at Woodside avenue, Bay City, Michigan.

154. Sept. 3. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. L. & M. S. Ry. at Hillsdale street in the city of Hillsdale, Michigan.

155. Sept. 3. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Flint avenue in the village of Three Rivers, Michigan.

156. Sept. 8. To F. A. Forbes, general manager of the Michigan Telephone Company, and J. M. Whitman, general manager of the Chicago & North Western Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the C. & N. W. Ry. at and near Iron Mountain, Michigan.

157. Sept. 8. To F. A. Forbes, general manager of the Michigan Telephone Company, and A. J. Earling, general manager of the Chicago, Milwaukee & St. Paul Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the C., M. & St. P. Ry. on Stevenson avenue, Iron Mountain, Michigan.

158. Sept. 8. To F. A. Forbes, general manager of the Michigan Telephone Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the F. & P. M. R. R. at Fifth street, Bay City, Michigan.

159. Sept. 11. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. at Pearl street in the village of Three Rivers, Michigan.

160. Sept. 11. To H. J. Kinnucan, superintendent of the Postal Telegraph-Cable Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telegraph-Cable Company to string wires over the tracks of the M. C. R. R. on Twenty-second street, Bay City, Michigan.

161. Sept. 12. To Berridge & Berridge, Orion, Mich., and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Berridge & Berridge to string wires over the tracks of the M. C. R. R. in the village of Orion, Michigan.

162. Sept. 14. To W. A. Doyle, manager of the Kalamazoo Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at and near the village of Comstock, Michigan.

163. Sept. 14. To W. E. French, Orion, Mich., and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting W. E. French to string wires over the tracks of the M. C. R. R. at Shadbolt street in the village of Orion, Michigan.

164. Sept. 14. To H. J. Kinnucan, superintendent of the Postal Telegraph-Cable Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order permitting Telegraph-Cable Company to string wires over the tracks of the F. & P. M. R. R. on Fifteenth street, Bay City, Michigan.

165. Sept. 17. To Chas. Griffith, LaGrange, Ind., D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company, and J. H. P. Hughart, general manager of the Grand Rapids & Indiana Railway Company.
Special order permitting Chas. Griffith to string wires over the L. S. & M. S. Ry. and G. R. & I. Ry. at Chicago street in the village of Sturgis, Michigan.

166. Sept. 17. To Chas. Griffith, LaGrange, Ind., and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Chas. Griffith to string wires over the tracks of the L. S. & M. S. Ry. at Centreville road, Michigan.

167. Sept. 21. To James E. Tryon, secretary of the Michigan Auxiliary Fire Alarm Company, and A. B. Atwater, superintendent of the Grand Trunk Railway Company.
Special order permitting Fire Alarm Company to string wires over the tracks of the G. T. Ry. at Trombley avenue in the city of Detroit, Michigan.

168. Sept. 21. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.

Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. at Bridge street, Plainwell, Michigan.

169. Sept. 23. To F. A. Forbes, general manager of the Michigan Telephone Company. and H. B. Ledyard, president of the Michigan Central Railroad Company.

Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. on Regent street in the city of Niles, Michigan.

170. Sept. 23. To Jas. E. Tryon, secretary of the Michigan Auxiliary Fire Alarm Company, D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company, E. A. Gould, superintendent of the Eastern Division of the Wabash Railroad Company, and A. B. Atwater, superintendent of the Grand Trunk Railway Company.

Special order permitting Fire Alarm Company to string wires over the tracks of the railroads at Russell street, in the city of Detroit, Michigan.

171. Sept. 24. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.

Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. at Grace street, in the city of Kalamazoo, Michigan.

172. Sept. 25. To I. Bearinger, president of the Inter Urban Railway Company, H. B. Ledyard, president of the Michigan Central Railroad Company, A. B. Atwater, superintendent of the Cincinnati, Saginaw & Mackinaw Railway Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.

Special order permitting the Inter Urban Railway Company to string feed wires over the tracks of the railroads at Zilwaukee, near Saginaw river, and between Carrollton and Mershon, Michigan.

173. Sept. 25. To Fred M. Warner, Farmington, Mich., and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.

Special order permitting F. M. Warner to string wires over the tracks of the F. & P. M. R. R. at Novi, Michigan.

174. Sept. 29. To F. A. Forbes, general manager of the Michigan Telephone Company, and F. D. Underwood, general manager of the Minneapolis, St. Paul & S. Ste. Marie Railway Company.

Special order permitting Telephone Company to string wires over the tracks of the M., St. P. & S. Ste. M. Ry. at Rapid River, Michigan.

175. Sept. 29. To. F. A. Forbes, general manager of the Michigan Telephone Company, and J. H. P. Hughart, general manager of the Grand Rapids & Indiana Railway Company.

Special order permitting Telephone Company to string wires over the tracks of the G. R. & I. Ry. at Grace street in the city of Kalamazoo, Michigan.

176. Sept. 29. To F. A. Forbes, general manager of the Michigan Telephone Company, and S. T. Blizard, superintemdent of the Michigan Division of the Cleveland, Cincinnati, Chicago & St. Louis Railway Company.

Special order permitting Telephone Company to string wires over the tracks of the C., C., C. & St. L. Ry. on Broadway in the city of Niles, Michigan.

177. Sept 29. To W. A. Foote, president of the Jackson Light & Power Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.

Special order permitiing Light & Power Company to string wires over the tracks of the M. C. R. R. to reach Waldron & Walker's grain house in the city of Jackson, Mich.

178. Sept. 30. To F. A. Forbes, general manager of the Michigan Telephone Company, S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company, and A. B. Atwater, superintendent of the Cincinnati, Saginaw & Mackinaw Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the F. & P. M. R. R. and C., S. & M. Ry. at Clark street in Whittier's mill yard in the city of Saginaw, Michigan.

179. Sept. 30. To F. A. Forbes, general manager of the Michigan Telephone Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the F. & P. M. R. R. in the C. Merrill & Co.'s mill yard in the city of Saginaw, Michigan.

180. Oct. 3. To F. A. Forbes, general manager of the Michigan Telephone Company, and J. H. P. Hughart, general manager of the Grand Rapids & Indiana Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the G. R. & I. Ry. at Leonard street and Alpine avenue, in the city of Grand Rapids, and on highway at Kenney, Michigan.

181. Oct. 3. To F. A. Forbes, general manager of the Michigan Telephone Company, and A. B. Atwater, superintendent of the Detroit, Grand Haven & Milwaukee Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the D., G. H. & M. Ry. at Grand Rapids, Berlin and Coopersville, Michigan.

182. Oct. 5. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. near Niles and on High street, Dowagiac, Michigan.

183. Oct. 6. To F. A. Forbes, general manager of the Michigan Telephone Company, and Chas. M. Heald, general manager of the Chicago & West Michigan Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the C. & W. M. Ry. at Leonard street in the city of Grand Rapids, Michigan.

184. Oct. 6. To F. L. Edwards, secretary of the Citizens' Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. on Monroe avenue, village of Carleton, near Carleton, and near Flat Rock, Michigan.

185. Oct. 6. To F. L. Edwards, secretary of the Citizens' Telephone Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the F. & P. M. R. R. at Waltz and Carleton, Michigan.

186. Oct. 9. To D. Eldred, president of the Southern Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Centreville, near Fabius, and at Jones, Michigan.

187. Oct. 13. To H. Park, secretary of the Citizens' Telephone Company of Muskegon, Chas. M. Heald, general manager of the Chicago & West Michigan Railway Company, J. H. P. Hughart, general manager of the Grand Rapids & Indiana Railway Company, and A. B. Atwater, superintendent Toledo, Saginaw & Muskegon Railway Co.
Special order permitting Telephone Company to string wires over the tracks of the railroads at various places in the city of Muskegon, Michigan.

188. Oct. 13. To J. D. Hawks, general manager of the Detroit & Mackinac Railway Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order approving interlocking plant at the crossing of the two roads at Pinconning, Bay county, Michigan.

189. Oct. 13. To J. D. Hawks, general manager of the Detroit & Mackinac Railway Company, and A. B. Atwater, superintendent of the Chicago & Grand Trunk Railway Company.
Special order approving interlocking plant at the crossing of the two roads at North Bay City, Bay county, Michigan.

190. Oct. 14. To F. A. Forbes, general manager of the Michigan Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. on Midland street, and Washington street between M. C. R. R. depot and round house, West Bay City, Michigan.

191. Oct. 14. To F. A. Forbes, general manager of the Michigan Telephone Company, and A. B. Atwater, superintendent of the Cincinnati, Saginaw & Mackinaw Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the C., S. & M. Ry. on West Midland street, at F. W. Wheeler & Co 's yard, and on Washington street between Wheeler & Co.'s yard and Ross, Bradley & Co.'s, West Bay City, Michigan.

192. Oct. 20. To Russell C. Ostrander, mayor of the city of Lansing, Michigan, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order approving plans for bridge over the tracks of the L. S. & M. S. Ry. on Michigan avenue in the city of Lansing, Michigan.

193. Oct. 20. To W. A. Foote, president of the Jackson Light & Power Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Light & Power Company to string power wire across the tracks of the L. S. & M. S. Ry. near the intersection of Milwaukee and Mill streets in the city of Jackson, Michigan.

194. Oct. 20. To Arnold & Boekholt, Electric Light & Power Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Light & Power Company to string wires over the tracks of the L. S. & M. S. Ry. at North Farmer street, Otsego, Michigan.

195. Oct. 22. To H. B. Ledyard, president of the Michigan Central Railroad Company, and F. B. Drake, receiver and general manager of the Cincinnati, Jackson & Mackinaw Railway Company.
Special order modifying approval of interlocking plant at the crossing of the two roads at Battle Creek, Michigan.

196. Oct. 24. To J. B. Ware, manager of the Citizens' Telephone Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the M. C. R. R. at Morton street near Burton avenue, South Grand Rapids, Michigan.

197. Oct. 26. To F. A. Forbes, general manager of the Michigan Telephone Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order permitting Telephone Company to string wires over the tracks of the F. & P. M. R. R. at Twenty first street, Bay City, and just north of depot at Memphis, Michigan.

198. Oct. 26. To I. Bearinger, president of the Inter Urban Railway Company, H. B. Ledyard, president of the Michigan Central Railroad Company, A. B. Atwater, superintendent of the Cincinnati, Saginaw & Mackinaw Railway Company, and S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company.
Special order permitting Inter Urban Ry. to string a telephone line over the tracks of the railroads at various crossings between Saginaw and Bay City, Michigan.

199. Nov. 2. To F. A. Forbes, general manager of the Michigan Telephone Company, and J. H. P. Hughart, general manager of the Grand Rapids & Indiana Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the G. R. & I. Ry. at Main street in the village of Mendon, Michigan.

200. Nov. 6. To Jos. E. Lockwood, president of the Michigan Electric Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Electric Company to string its trolley wires over the tracks of the L. S. & M. S. Ry. near Ypsilanti, Michigan.

201. Nov. 7. To E. F. Phillips, manager of the Mutual Electric Lighting Company, H. B. Ledyard, president of the Michigan Central Railroad Company, and A. B. Atwater, superintendent of the Grand Trunk Railway System (western division.)
Special order permitting Electric Company to string wires over the tracks of the M. C. R. R. and G. T. Ry. on Junction avenue, West Detroit, Michigan.

202. Nov. 10. To D. Eldred, president of the Southern Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string wires over the tracks of the L. S. & M. S. Ry. at First street in the city of Three Rivers, Michigan.

203. Nov. 11. To S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order approving F. & P. M. R. R. telegraph line over the tracks of the L. S. & M. S Ry. at Monroe, Michigan.

204. Nov. 12. To S. T. Crapo, general manager of the Flint & Pere Marquette Railroad Company, and W. H. Canniff, general manager of the Lake Shore & Michigan Southern Railway Company.
Special order approving of interlocking plant at the crossing of the two roads in the city of Monroe, Michigan.

205. Nov. 13. To C. Corbett, district superintendent of the Western Union Telegraph Company, and H. B. Ledyard, president of the Michigan Central Railroad Company.
Special order permitting Telegraph Company to string two wires over the tracks of the M. C. R. R. on Washington street in the city of Charlotte, Michigan.

206. Nov. 17. To Chas. M. Heald, general manager of the C. & W. M. Ry. Company, and A. B. Atwater, superintendent of the western division of the Grand Trunk Railway System.
Special order modifying official approval of interlocking plant at the crossing of the two roads at Fruitport Junction, near Muskegon, Michigan.

207. Nov. 17. To F. A. Forbes, general manager of the Michigan Telephone Company, and D. W. Caldwell, president of the Lake Shore & Michigan Southern Railway Company.
Special order permitting Telephone Company to string twenty additional wires over the tracks of the L. S. & M. S. Ry. on West street in the city of Hillsdale, Michigan.

208. Nov. 24. To F. A. Forbes, general manager of the Michigan Telephone Company, and A. J. Earling, general manager of the Chicago, Milwaukee & St. Paul Railway Company.

Special order permitting Telephone Company to string two wires over the tracks of the C., M. & St. P. Ry. at Main street, Iron Mountain, Michigan.

209. Nov. 24. To F. A. Forbes, general manager of the Michigan Telephone Company, and Chas. M. Heald, general manager of the Chicago & West Michigan Railway Company.

Special order permitting the Telephone Company to string four wires over the tracks of the C. & W. M. Ry. on Maple street, Central Lake, also one-quarter mile north of the depot at Central Lake, Michigan.

CIRCULARS.

STATE OF MICHIGAN,
OFFICE OF THE COMMISSIONER OF RAILROADS.

To General Managers and Superintendents of Railroads in the State of Mich.:

The Jones National Fence Company of Columbus, Ohio, having made application for the official approval, by the Commissioner of Railroads, of the Jones Locked Wire Fence, so-called, and having made a personal inspection of said fence and being satisfied that the same is equal in strength, closeness of construction and efficiency to prevent the passage of all stock through the same, and is of the height of standard fence now required by law,

THEREFORE, By virtue of the power vested in me by section 15, article IV, act No 198, laws of 1873, and acts amendatory thereof, authority is hereby granted to the railroad companies in this State to use the said Jones Locked Wire Fence for fencing their respective rights of way, subject to the following conditions:

Railroad companies using this fence will be required to comply with the law for railroad fence as to height, posts and setting of same, and leveling inequalities of ground under the fence: *Provided*, That the posts used in the construction may be placed at a distance of 16 feet apart from center to center. The fence to be constructed in accordance with the following specifications: nine lateral steel wires of No. 9 gauge to be placed 4 inches, 7 inches, 11 inches, 16 inches, 21 inches, 29 inches, 37 inches, 45 inches and 54 inches from the ground, respectively. There shall also be at least six vertical steel stay wires of No. 7 gauge in each panel between posts, immovably locked to each lateral wire, making six equal spaces as near as may be.

In witness whereof, I have hereunto set my hand and caused the seal of the department to be affixed, at the Capitol, in the city of Lansing, this twenty-fifth day of March, A. D. 1896.

S. R. BILLINGS,
Commissioner of Railroads.

STATE OF MICHIGAN,
OFFICE OF THE COMMISSIONER OF RAILROADS.

To General Managers and Superintendents of Railroads in the State of Michigan:

Pursuant to act No. 198, session laws of 1873, and acts amendatory thereof, application having been made by C. W. Luce, general superintendent Detroit & Mackinac Railway, for the official approval of Cook's All Steel Cattle Guard, as per plans submitted and filed in this office, and the undersigned, Commissioner of Railroads in and for the State of Michigan, having made a careful examination of said cattle guard and being satisfied of its practical value and that it meets the requirements of the laws of this State in accordance with the true spirit and intent thereof,

THEREFORE, By virtue of the authority in me vested by the provisions of above named acts, the said Cook's All Steel Cattle Guard, constructed and maintained in accordance with said plans on file in this office, is hereby approved and authorized to be used upon all railroads in this State from and after date hereof.

In witness whereof, I have hereunto set my hand and the seal of the department, at the Capitol, in the city of Lansing, this first day of October, 1896.

S. R. BILLINGS,
Commissioner of Railroads.

SPECIFICATIONS

FOR

STRINGING WIRES OVER RAILROADS IN MICHIGAN.

[These specifications were issued by the Commissioner of Railroads, September 12, 1896.]

I. All wires crossing over railroad tracks shall be securely fastened to poles on each side of such crossing. At places where it is impracticable to use poles, special specifications will be furnished by the Commissioner of Railroads.

II. All poles bearing electric light, power, or other extra hazardous wires, shall not be set further apart than sixty (60) feet at railroad crossings. All telegraph and telephone poles, shall not be set further apart than one hundred (100) feet at railroad crossings. Should necessity require that the span between poles be more than above stated, specifications will be furnished by the Commissioner of Railroads.

III. All poles bearing telegraph or telephone wires at railroad crossings shall be not less than seven (7) inches in diameter at the top end with lengths as follows: Poles carrying one double cross arm shall not be less than thirty (30) feet in length; two and three double cross arms not less than thirty-five (35) feet in length; four to six double cross arms not less than forty (40) feet in length; seven or eight double cross arms not less than forty-five (45) feet in length.

Poles for use at railroad crossings should be selected with a view to obtain the strongest and best.

IV. In telephone construction, each double cross arm may carry not to exceed ten (10) wires, and in no case will over eight (8) double cross arms be allowed on one pole at crossings of telephone lines.

In telegraph construction each double cross arm may carry not to exceed eight (8) wires, and in no case will over six (6) double cross arms be allowed at crossings of telegraph lines.

A second permit, from the Commissioner of Railroads, will not be required for the stringing of additional wires, under the above limit: *Provided*, the first permit did not modify these specifications by specifying a less number of wires. (As to manner of modifying these specifications, see IX:)

All construction in excess of the above limit must cross in cable by special specifications furnished by the Commissioner of Railroads.

V. All poles bearing wires at crossing of railroads shall be provided with double cross arms, to be placed upon the pole in a gain of sufficient depth to maintain the cross arms at right angles to the poles, and shall be fastened with two (2) bolts.

VI. Each double cross arm shall be provided with steel pins in each arm and each wire shall be securely fastened to two (2) pins on double cross arms, and in no case shall wires be attached under or on the ends of cross arms.

VII. All cross arms shall be placed on poles so that wires shall be maintained at a height of not less than twenty-two (22) feet from the surface of the rail of the track crossed.

VIII. All poles at railroad crossing when wires angle, shall be securely guyed. Guys shall be made of not less than two (2) No. 9 wires.

IX. At any crossing where it shall be impracticable to comply with these specifications, or when mutual agreement by interested companies, such as conditions of waiver of right of notice and hearing, are considered, or when upon hearing or examination these specifications are modified, such modification will be found in the order attached herewith and will take precedence.

EXPENSE ACCOUNT.

Of the Department from October 1, 1895, to October 1, 1896.

Printing and binding	$412 57
Incidentals	3 00
Postage	100 00
Express	124 37
Telegraph and telephone	51 56
Traveling	792 62
Stationery	66 81
Maps	170 00
Library	62 70
	$1,783 63

SUMMARY FROM ANNUAL REPORTS OF 1895 AND 1896, COVERING THE CALENDAR YEARS 1894 AND 1895, RESPECTIVELY.

These statistics are confined exclusively to Michigan business and mileage.

	1894.	1895.	Increase.	Decrease.	Per cent increase.	Per cent decrease.
Length of road, miles	7,512.505	7,609.875	97.37		1.30	
Length of second track, miles	143.96	143.96				
Length of sidings and spurs, miles	2,073.69	2,133.33	59.63		2.87	
Computed as a single track, miles	9,730.155	9,887.155	157		1.61	
Capital stock paid in		$137,073,202 37				
Paid in per mile of road		18,346 00				
Amount held in Michigan	$11,358,388 31	10,885,374 97		$473,013 34		4.16
Total debt		179,259,525 53				
Debt per mile of road		23,861 53				
Total stock and debt		316,333,027 90				
Stock and debt per mile of road		42,107 53				
Cost of roads and equipment	300,620,020 45	301,003,148 44	$383,127 99		.13	
Cost per mile of road		40,066 95				
Excess of stock and debt over reported cost		15,329,879 46				
Excess per mile of road		2,040 58				
Earnings:						
Passenger		$7,831,201 08				
Express and baggage		777,315 26				
Mail		1,095,030 72				
Freight		18,884,374 75				
Other sources		94,547 05				
Total traffic earnings	$25,964,304 78	$28,673,068 86	$2,708,264 08		10.43	
Earnings per mile of road	$3,901 81	$3,835 17	$303 80		9.17	
Earnings per train mile, passenger		39.50				
Earnings per train mile, freight		1 33.90				
Earnings per train mile for all trains earning revenue		1 14.59				
Operating receipts, other than for traffic	564,651 63	538,045 62		$26,606 01		
Total receipts from operation	26,529,456 41	29,211,014 48	$2,681,558 07		10.11	
Total income	26,529,456 41	29,211,014 48	$2,681,558 07		10.11	
Operating expenses	23,944,690 47	23,981,053 55	36,363 08		.15	
Operating expenses per mile of road		3,151 06				
Operating expenses per train mile		95.84				
Operating expenses, per cent of receipts from operation		82.10				
Net earnings		5,229,960 93				
Net earnings per train mile		18.75				
Net earnings per mile of road		687 21				

Total taxes	676,136 18	741,408 77	65,272 59		9.65	
Taxes per mile of road	89 90	97 35	8 05		9.01	
Taxes, per cent of earnings	2 28.91	2 53.83	24.92			
Train mileage						
Passenger		10,878,200				
Freight		14,142,158				
Total for trains earning revenue		25,020,358				
Traffic, passenger:						
Whole number of passengers carried		10,108,014				
Whole number carried one mile		357,257,227				
Average distance traveled by each, miles		35.34				
Average rate of fare per mile		$0.0219				
Traffic, freight:						
Total tons moved		32,750,113				
Total tons moved one mile		2,483,915,713				
Average ton haul, miles		75.84				
Average rate per ton per mile		$0.00760				
Total number of employés	23,458	24,617	1,159		4.94	
Total number of stations	1,514	1,534	20		1.32	
Number of miles of fencing, completed	10,262.21	10,508.81	246.60		2.40	
Crossings, number:						
Railroad	400	402	2			
Highway at grade	7,560	7,669	109		1.44	
Highway, over or under	213	211		2		.94
Highway, with gates or signals	514	530	16		3.11	
Number of new bridges	73	45		28		
Aggregate length of new bridges, feet	5,999.91	3,375		2,624.91		43.75
New ties put in track	2,492.090	2,493,511		4,579		.18
Accidents:						
Passengers killed	2	4	2			
Passengers injured	17	13		4		
Employés killed	37	32		5		
Employés injured	169	215	46			
Others killed	90	100	10			
Others injured	78	72		6		
Total killed	129	136	7		5.42	
Total injured	264	300	36		13.64	
Total accidents	393	36	43		10.94	

COMPARATIVE SUMMARY OF ANNUAL REPORTS FOR FIVE YEARS, 1891 TO 1895 INCLUSIVE.

Statistics compiled from Annual Reports of Railroads, including mileage and business done on the entire system of those roads located entirely within and partly within and partly without the State.

	1891.	1892.	1893.	1894.	1895.
Total length of roads and branches, miles	13,223.34	15,133.59	20,089.40	20,004.73	22,501.45
Capital stock paid in	$331,886,888 98	$372,761,847 00	$431,973,001 97	$431,380,117 19	$436,195,233 19
Capital stock paid in per mile of road	25,098 57	24,631 42	20,580 53	20,537 29	19,265 34
Total funded debt	398,409,755 20	458,203,945 13	606,113,355 63	609,895,267 35	611,150,396 45
Total unfunded debt	37,371,915 12	32,642,023 35	40,810,372 11	42,269,360 31	54,711,770 62
Total debt	435,781,670 32	490,545,967 47	646,923,727 73	652,164,627 66	665,862,167 07
Total debt per mile of road	32,955 48	32,434 20	30,821 45	31,048 48	27,973 44
Total stock and debt	767,668,559 20	863,607,814 47	1,078,896,729 70	1,083,544,744 85	1,102,057,400 26
Total stock and debt per mile of road	58,054 05	57,065 62	51,401 98	51,535 77	47,228 78
Total cost of roads and equipment	704,894,197 04	614,351,228 55	1,019,700,326 66	1,024,767,568 08	1,081,493,108 30
Total cost of roads and equipment per mile	53,306 83	53,810 84	48,581 68	48,787 49	45,841 18
Earnings:					
From passengers	$25,409,645 69	$28,614,021 14	$43,639,289 64	$33,020,783 84	$34,385,922 13
From mails	2,813,067 79	3,134,149 48	4,480,550 24	4,945,740 38	3,556,592 90
From express	1,797,388 80	2,076,349 45	2,903,784 35	3,352,791 76	5,137,185 71
From freight	65,251,790 39	76,413,040 20	93,009,893 43	90,116,339 23	98,611,093 03
From other sources	505,993 90	489,477 70	881,502 72	994,615 81	1,078,706 70
From operating receipts other than for traffic	.....	1,079,153 57	1,712,619 88	2,001,961 93	1,714,647 70
Total receipts from operation	$95,777,886 57	$111,806,191 54	$146,626,639 25	$134,432,232 95	$144,484,148 16
Earnings per mile of road	$6,273 76	$6,458 51	$6,376 97	$5,842 13	$5,814 88
Earnings per train mile, passenger trains	1 08.8	1 08.40	1 10.08	96.40	97.87
Earnings per train mile, freight trains	1 48.4	1 46.30	1 28.31	1 41.70	1 47.24
Earnings per train mile, all trains	1 33.2	1 33.10	1 23.59	1 22.37	1 27.65
Traffic earnings above operating expenses	$29,747,013 85	$31,780,704 55	$39,859,940 03	$36,829,033 86	$43,147,324 96
Receipts in addition to earnings	$1,546,627 18	$862,609 25	$761,222 15	$677,512 07	$1,165,082 55
Total income for the year	$97,324,513 75	$112,668,800 79	$147,387,861 40	$135,109,745 02	$145,649,180 71

Expenses:					
Operating expenses, maintenance of way and buildings	$12,715,304 49	$16,907,758 03	$20,523,717 67	$17,885,306 28	$18,377,407 24
Operating expenses, motive power and cars	10,958,785 05	11,3:0,053 01	17,109,696 57	12,551,788 30	16,916,164 26
Operating expenses, conducting transportation	34,314,363 97	40 932,850 05	53,854,386 92	51,126,922 24	55,589,365 30
Operating expenses, general expenses	8,142,469 21	9,785,672 33	13,566,278 18	13,737,220 40	8,739,237 60
Total operating expenses	$65,030,573 72	$78,946,333 42	$105,054,079 34	$95,601,237 16	$99,622,175 50
Operating expenses per mile of road	$4,325 24	$4,601 80	$4,568 93	$4,154 62	$4,009 34
Operating expenses per train mile	91.73	94.23	87.79	89.02	89.07
Operating expenses, per cent of earnings	68.94	71.30	71.65	71.11	68.95
Interest and rentals, total	$21,110,457 39	$25,278,047 29	$33,015,4 6 01	$34,102,198 24	$33,423,933 08
Interest and rentals per mile of road operated	1,383 80	1,474 42	1,435 88	1,482 01	1,345 16
Interest and rental per train mile	29.80	30.17	27.64	31.80	29.88
Interest and rentals per cent of earnings	22.04	22.83	22.51	25.37	23.13
Total operating expenses, interest and rentals	$87,141,330 11	$104,224,380 71	$138,069,505 35	$129,703,435 40	$133,046,107 58
Operating expenses, interest and rentals per mile of road	5,708 04	6,079 22	6,004 81	5,636 63	5,354 50
Operating expenses, interest and rentals per train mile	1 21.3	1 24.40	1 15.43	1 20.82	1 18.9
Operating expenses, interest and rentals, per cent of earnings	90.98	94.13	94.16	96.48	92.09
Average rate of fare per passenger per mile	$0 02.23	$0 02.18	$0 01.87	$0 02.20	$0 02.137
Average rate per ton per mile	00.844	00.721	00.762	00.828	00.791
Total number of passengers carried one mile	1,129,195,367	1,311,956,019	2,331,976,080	1,501,614,565	1,608,584,611
Total number of passengers carried	34,208,271	43,592,967	53,916,571	45,712,632	47,248,450
Average rate per passenger per mile	$0 02.23	$0 02.18	$0 01.87	$0 02.20	$0 02.137
Total number of tons carried	57,852,628	75,612,091	79,649,152	74,148,422	83,618,852
Tons carried one mile	7,770,514,581	10,648,956,703	12,203,926,290	10,886,537,782	12,472,334,620
Average rate per ton per mile	$0 00.844	$0 00.721	$0 00.762	$0 00.828	$0 00.791
Total number of employés	66,4:8	82,931	100,963	89,586	88,325
Total number of stations	3,879	3,877	4,642	4,629	4,695
Rolling stock:					
Total number of locomotives	3,222	3,841	4,781	4,827	4,664
Total number of cars	109,879	131,709	163,407	155,625	153,388
Estimated value	$49,483,267 42	$60,531,711 06	$63,141,856 14	$60,032,944 38	$57,866,800 92
Trestles replaced with earthwork	6,619.30	10,167	15,407	19,438	20,557
Culverts replaced	220	432	619	445	403
Number of new ties put in track	4,935,739	5,648,345	5,781,277	4,784,269	6,656,840

REPORTS OF

RAILROAD COMPANIES

1895

ANNUAL REPORT

OF THE

ANN ARBOR RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed May 2, 1896.]

OFFICERS OF COMPANY WITH LOCATION OF OFFICES.

President, WELLINGTON R. BURT, Toledo, Ohio.
Vice President, GEO. W. QUINTARD, New York, N. Y.
Secretary, DANIEL C. TABE, New York, N. Y.
Auditor, F. GOSSMAN, Toledo. Ohio.
Treasurer, DANIEL C. TATE, New York, N. Y.
General Manager, H. W. ASHLEY, Toledo, Ohio.
Superintendent, W. F. BRADLEY, Durand, Mich.
Chief Engineer, H. E. RIGGS, Toledo, Ohio.
General Passenger Agent, W. H. BENNETT, Toledo, Ohio.
General Freight Agent, W. H. BENNETT, Toledo, Ohio.
Attorney, ALEX L. SMITH, Toledo, Ohio.

DIRECTORS.

J. EDWARD SIMMONS, New York, N. Y.
R. C. MARTIN, New York, N. Y.
R. M. GALLOWAY, New York, N. Y.
Terms expire September, 1896.
CYRUS J. LAWRENCE, New York, N. Y.
E. W. FOLERTON, Toledo, Ohio.
WILLIAM C. MCCLURE, Saginaw, Mich.
A. W. WRIGHT, Alma, Mich.
GEO. W. QUINTARD, New York, N. Y.
Terms expire September, 1897.
WELLINGTON R. BURT, Saginaw, Mich.
ROBERT D. MURRAY, New York, N. Y.
AMOS F. ENO, New York, N. Y.
JOHN JACOB ASTOR, New York, N. Y.
BENJAMIN PERKINS, New York, N. Y.
Terms expire September, 1898.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: September 21, 1895.
Number of stockholders at date of last election: 15.
Number of stockholders in Michigan at same date: 3.
Amount of full paid stock held in Michigan at same date: $900.
Date of annual meeting of stockholders: third Saturday of September, annually.
Fiscal year of company ends June 30.
General offices of the company are located at Toledo, Ohio.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$186,474 55
Total expenses, including taxes	$173,265 51	
Net income		$13,209 04
Interest on unfunded debt	$147 78	
Balance for the year		$13,061 26
Items not included in above	8,612 71	
Balance forward to next year		$4,448 55

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$7,250,000 00
Par value of shares		$100 00		
Number of shares issued	72,500			
Amount paid in on common			$3,250,000 00	
Amount paid in on preferred			4,000,000 00	
Total amount paid in as per books of the company				7,250,000 00
Paid in per mile of road owned by company, 298.80 miles				24,263 72

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage gold, July 1, 1895	4%	1995	New York	$7,000,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For equipment		$130,675 00
For miscellaneous		116,729 15
For current balances		162,503 79
Total unfunded debt		$409,907 94

RECAPITULATION.

Total funded debt	$7,000,000 00
Total unfunded debt	409,907 94
Total debt liabilities	$7,409,907 94
Amount of debt liabilities per mile of road, 298.80 miles	24,798 89
Total amount of stock and debt	14,659,907 95
Stock and debt per mile of road, 298.80 miles	49,063 61

GENERAL BALANCE SHEET.—Dr.

Construction account	$13,673,404 00	
Equipment account	736,733 40	
		$14,410,137 40
Cash items:		
Cash	$72,843 03	
Due from agents	31,358 60	
		104,201 63
Other assets:		
Materials and supplies	$39,489 16	
Debit balances from companies and individuals	26,175 56	
W. R. Burt, receiver	83,458 89	
T. A. A. & N. M. R'y	893 85	
		150,017 46
Total		$14,664,356 49

GENERAL BALANCE SHEET.—Cr.

Capital stock		$7,250,000 00
Funded debt		7,000,000 00
Unfunded debt:		
Vouchers and accounts	$367,266 29	
Other liabilities (list as follows):		
Boat insurance	2,000 00	
Claims, insurance, tax, etc., account	6,613 71	
W. R. Burt, receiver, "supplies"	34,028 94	
		409,907 94
Profit and loss or income accounts		4,448 55
Total		$14,664,356 49

COST OF ROAD AND EQUIPMENT.

PURCHASED BY PRESENT COMPANY.

When purchased by present company: July 2, 1895.	
Original cost to present company, of road and equipment	$14,410,137 40
Total cost to date of report	$14,410,137 40

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Total passenger fares	$35,403 39	
Express and baggage	2,961 70	
Mails	6,362 62	
Total passenger department earnings		$44,767 71
Per train mile	$0 80.46	
Per mile of road	150 87	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$100,643 84	
Through traffic	18,340 85	
Total traffic	$118,984 69	
Total freight department earnings		118,984 69
Per train mile	$1 17.05	
Per mile of road	400 96	

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$35,204 67	
Through fares	45 15	
Total passenger fares	$35,249 82	
Express and baggage	3,330 80	
Mails	6,492 14	
Other sources—boats	473 22	
Total	$45,595 98	
	473 22	
Total passenger department earnings, boat earnings deducted		$45,122 76
Per train mile	$0 81.10	
Per mile of road	149 05	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$107,629 66	
Through traffic	16,926 50	
Total traffic	$124,556 16	
Other sources, freight department—boats	12,223 10	
Total	$136,779 26	
	12,223 10	
Total freight department earnings, boat earnings excluded		$124,556 16
Per train mile	$1 22.53	
Per mile of road	411 44	
Total transportation earnings, entire line		$183,375 24
Transportation earnings per mile of road, boat earnings excluded	$560 49	
Transportation earnings per train mile, boat earnings deducted	$1 07.87	

Miscellaneous receipts from operating account, other than for transportation:		
From telegraph companies	$119 34	
From rents of tracks, yards and terminals	3,757 28	
From rents not otherwise provided for	192 69	
Total		$4,099 31
Total earnings from operation of road		$186,474 55
Total earnings per mile of road, including boats	$615 97	
Total earnings per train mile, including boats	1 18.56	
Proportion of taxable earnings for Michigan	167,156 34	
Total taxable earnings per mile of road in Michigan	553 32	
Total income from all sources		186,474 55
Proportion of income for Michigan		167,156 34

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway		$47,186 67
Renewals of rails		11,247 64
Renewals of ties		1,468 99
Repairs and renewals of bridges and culverts		2,574 67
Repairs and renewals of fences, road crossings, signs and cattle guards		1,811 74
Repairs and renewals of buildings and fixtures	$1,306 50	
Repairs and renewals of docks and wharves		14 80
Repairs and renewals of telegraph		573 22
Stationery and printing		87 78
Other expenses		123 40
Total		$63,782 11

MAINTENANCE OF EQUIPMENT.

Superintendence		$1,610 00
Repairs and renewals of locomotives		7,286 78
Repairs and renewals of passenger cars		2,430 23
Repairs and renewals of freight cars		7,349 27
Repairs and renewals of work cars		975 26
Repairs and renewals of marine equipment		1,500 81
Repairs and renewals of shop machinery and tools		807 13
Stationery and printing		7 50
Other expenses		37 72
Total		$22,054 70

CONDUCTING TRANSPORTATION.

Superintendence		$3,082 00
Engine and roundhouse men		12,217 46
Fuel for locomotives		16,414 54
Water supply for locomotives		470 55
Oil, tallow and waste for locomotives		639 08
Other supplies for locomotives		131 63
Train service		9,817 82
Train supplies and expenses		700 96
Switchmen, flagmen and watchmen		4,335 92
Telegraph expenses		2,384 12
Station service		8,614 42
Station supplies		286 57
Switching charges—balance		3,200 50
Car mileage—balance		6,111 34
Hire of equipment		13 00
Loss and damage	$10 73	
Injuries to persons		35 50
Clearing wrecks		307 29
Operating marine equipment		7,694 83
Advertising		221 35
Outside agencies		1,009 37
Stock yards and elevators		25 00
Rents for tracks, yards and terminals		1,983 33
Rent of buildings and other property		108 33
Stationery and printing		955 83
Other expenses		67 00
Total		$79,361 95

GENERAL EXPENSES.

Salaries of general officers	$3,516 64
Salaries of clerks and attendants	1,535 64
General office expenses and supplies	302 56
Law expenses	303 30
Stationery and printing (general offices)	309 80
Other expenses	139 50
Taxes	1,059 31
Total	$8,166 75

RECAPITULTION OF EXPENSES.

Maintenance of way and structures	$63,782 11
Maintenance of equipment	22,054 70
Conducting transportation	79,261 95
General expenses, including taxes	8,166 75
Total operating expenses and taxes	$173,265 51
Operating expenses and taxes per mile of road	$572 34
Operating expenses and taxes per train mile run, for trains earning revenue, 157,285 miles	1 10.16
Total proportion of expenses and taxes for Michigan	169,334 85
Per centage of expenses to earnings	92.94
Net earnings per mile of road	43 63
Net earnings per train mile	$0 00.84

DESCRIPTION OF ROAD.

Date when road was opened for use between its present termini:

From Toledo, Ohio, to Frankfort, Michigan, November 17, 1889.

MAIN LINE.

	Miles.	Miles.
In Michigan, from State line to Frankfort, Mich.	286.96	
In Ohio, from State line to Toledo, Ohio	5.00	
Total length completed		291.96

BRANCHES.

From main line to Ithaca	1.61	
From main line to St. Louis	1.42	
From main line to Pine river	1.00	
From main line to Ross mill	1.52	
From main line to Diggins mill	1.29	
Total length of branches owned by company		6.84
Total length of branches owned by company in Michigan	6.84	
Total length of road belonging to this company		298.80
Total length of road belonging to this company in Michigan		293.80
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated		47.73
Aggregate length of tracks in Michigan belonging to this company, computed as single track		341.53

Gauge of track, 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

Name, description and length of each.	Total miles.	In Michigan.
Pennsylvania Co., at Toledo, Ohio	1.00	
Grand Trunk, from Hamburg to Hamburg Junction	2.98	2.98
Total miles operated by the company	3.98	2.98

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	2	52
Iron bridges	14	1,306
Combination bridges	5	437
Wooden trestles	167	6,174
Total	188	7,969

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Lake Shore & Michigan Southern R. R. at Monroe Junction, Dundee and Pittsfield.
Wabash R. R. at Milan.
Detroit, Lansing & Northern R. R. at Howell Junction and St. Louis.
Detroit, Grand Haven and Milwaukee R. R. at Durand.
Chicago & Grand Trunk R. R. at Durand.
Michigan Central R. R. at Owosso.
Flint & Pere Marquette R. R. at Clare.
Grand Rapids & Indiana R. R. at Cadillac.
Cummer Lumber Co. R. R. at Cadillac.
Manistee & North Eastern R. R. at Copemish.
Chicago & West Michigan R. R. at Thompsonville.

What railroads cross your road either over or under your grade in this State, and where?
Under:
Michigan Central R. R. at Ann Arbor.

At what crossings are interlocking and derailing switches in operation?
Detroit, Lansing & Northern, at Howell Junction.
Flint & Pere Marquette, at Clare.
Grand Rapids Indiana, at Cadillac.
Chicago & West Michigan, at Thompsonville.

What pattern or patterns have you adopted?
Union Switch and Signal, Allentown.

Number of crossings of highways at grade in this State	312
Number of crossings of highways at grade in this State at which there are gates or flagmen	5
Number of crossings at which there are electric or automatic signals	3

What pattern or patterns in use?
O'Neill's.

Number of crossings of highways over or under railroad: over, 3; under, 2.

Number of highway bridges 18 feet above track	3

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws of 1883?
Yes?

How are they treated?
Blocked with wood and spiked to tie.

Stations.

Number of stations on whole line	68
Same in Michigan	65

Employés.

Number of persons regularly employed on all roads operated by company, including officials	822
Same in Michigan	719

Classify your employés as per following list:	Number.
Baggagemen	5
Brakemen	57
Conductors	30
Engineers	43
Firemen	43
Laborers	176
Shopmen	198
Yardmen	32
Others	243

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	557

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:

Clare and Benzie	20

Road bed and track.

Number of track sections in Michigan	46
Average lengths of sections, miles	6.12
Average number of men in each section gang	4
Number of new ties put in whole line during the year	6,309
Number of ties put in track in Michigan	6,365
Average number of new ties per mile of road	21.4
New rails put in track:	
Steel, tons, 442¼, miles	4
Total miles of track laid with new rails	4

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	42	$126,100 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	2	3,200 00
Total	44	$129,300 00
Number of passenger cars—12-wheel, including official cars	22	$46,851 59
Number of express and baggage cars	5	14,440 40
Number of box freight cars	1,007	260,674 22
Number of platform cars	408	51,399 48
Number of conductors' way cars	26	5,444 40
Other cars as follows:		
3 steam shovels, 1 pile driver, 3 snow plows, 5 relief, 1 derrick, 2 tool	14	6,161 88
Total	1,482	$514,271 97

Number of locomotives equipped with power brakes	42
Number of passenger train cars equipped with power brakes	27

What patterns of power brakes have you in use, and number of locomotives and cars with each?
27 passenger cars, Westinghouse, 39 locomotives Westinghouse, 5 locomotives Eames vacuum.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 58 session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Trojan.

How are your passenger cars heated?
Steam from engines.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.
Miles run by passenger trains during the year	55,637
Miles run by freight trains during the year	101,648
Total mileage of trains earning revenue	157,285

Passenger traffic.—Entire lines.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	4		
Number of local passengers carried, earning revenue	36,394		
Total number of passengers carried, earning revenue	36,398		
Number of passengers carried one mile		1,403,941	
Average distance carried		35.82	
Average amount received from each passenger			$0·96.8
Average receipts per mile for through passengers			02.5
Average receipts per mile for local passengers			02.5
Average receipts per passenger per mile for all passengers			02.5

Passenger traffic.—In State of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	4		
Number of local passengers carried, earning revenue	36,306		
Total number of passengers carried earning revenue	36,310		
Number of passengers carried one mile		1,358,502	
Average distance carried		37.4	
Average amount received from each passenger			$0 97.5
Average receipts per mile for through passengers			02.5
Average receipts per mile for local passengers			02.5
Average receipts per passenger per mile for all passengers			02.5

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	14,700		
Number of tons of local freight carried, earning revenue	164,927		
Total tons of freight carried, earning revenue	179,627		
Total mileage of through freight		4,392,360	
Total mileage of local freight		13,607,982	
Total freight mileage or tons carried one mile		18,000,342	
Average ton haul for through freight		298.8	
Average ton haul for local freight		82.5	
Average ton haul for all freight		100.2	
Average amount received for each ton haul			$0 69.3
Average receipts ton per mile, for through freight			.38
Average ton receipts per mile, for local freight			.79
Average receipts ton per mile, for all freight			.69

Freight traffic.—In State of Michigan.

Number of tons of through freight carried, earning revenue	15,584		
Number of tons of local freight carried, earning revenue	164,043		
Total tons of freight carried, earning revenue	179,627		
Total mileage of through freight		4,562,995	
Total mileage of local freight		13,349,147	
Total freight mileage or tons carried one mile		17,912,142	
Average ton haul for through freight		292.8	
Average ton haul for local freight		81.3	
Average ton haul for for all freight		99.7	
Average amonnt received for each ton haul			$0 66.2
Average receipts ton per mile for through freight			.40
Average receipts ton per mile, for local freight			.75
Average receipts ton per mile, for all freight			.66

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	2,270	3,730	6,000	3.34
Flour	1,581	2,308	3,889	2.16
Other mill products	1,144	1,376	2,520	1.40
Hay	203	2,255	2,458	1.36
Tobacco		345	345	.20
Cotton		550	550	.30
Fruit and vegetables	1,629	3,405	5,034	2.80
Products of animals:				
Live stock	3,068	198	3,266	1.81
Dressed meats	5		5	.00
Poultry, game and fish	280	214	494	.30
Wool	10	50	60	.03
Hides and leather	146	555	701	.40
Products of mines:				
Anthracite coal	25	9,212	9,237	5.14
Bituminous coal		66,083	66,083	36.80
Coke		160	160	.08
Ores	93		93	.05
Stone, sand and other like articles	210	1,494	1,704	.95
Salt	141	1,707	1,848	1.03
Products of forest:				
Lumber	17,315	12,568	29,883	16.64
Logs	15,498	125	15,623	8.70
Char coal	2,316	48	2,364	1.31
Manufactures:				
Petroleum and other oils	1,168	750	1,918	1.06
Sugar	298	300	598	.33
Staves and heading	2,403	1,250	3,653	2.03
Iron, pig and bloom		1,642	1,642	.91
Other castings and machinery	1,335	1,472	2,807	1.56
Bar and sheet metal	29	48	77	.04
Cement, brick and lime	1,059	585	1,644	.91
Agricultural implements	1	160	161	.08
Wagons, carriages, tools, etc.	91	184	275	.15
Wines, liquors and beers	247	315	562	.31
Household goods and furniture	561	300	861	.50
Ice	497		497	.30
Merchandise	2,431	3,384	5,815	3.23
Miscellaneous:				
Other commodities not mentioned above	2,165	4,641	6,806	3.80
Total tonnage	58,213	121,414	179,627	100

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	2,270	3,730	6,000	3.34
Flour	1,581	2,308	3,889	2.16
Other mill products	1,144	1,376	2,520	1.40
Hay	203	2,255	2,458	1.36
Tobacco		345	345	.20
Cotton		550	550	.30
Fruit and vegetables	1,629	3,405	5,034	2.80
Products of animals:				
Live stock	3,068	198	3,266	1.81
Dressed meats	5		5	.00
Poultry, game and fish	280	214	494	.30
Wool	10	50	60	.03
Hides and leather	146	555	701	.40
Products of mines:				
Anthracite coal	25	9,212	9,237	5.14
Bituminous coal		66,063	66,063	36.80
Coke		160	160	.08
Ores	93		93	.05
Stone, sand and other like articles	210	1,494	1,704	.95
Salt	141	1,707	1,848	1.02
Products of forest:				
Lumber	17,315	12,568	29,883	16.64
Logs	15,498	125	15,623	8.70
Charcoal	2,316	48	2,364	1.31
Manufactures:				
Petroleum and other oils	1,168	750	1,918	1.06
Sugar	293	300	593	.33
Staves and heading	2,403	1,250	3,653	2.03
Iron, pig and bloom		1,642	1,642	.91
Other castings and machinery	1,335	1,472	2,807	1.56
Bar and sheet metal	29	48	77	.04
Cement, brick and lime	1,059	585	1,644	.91
Agricultural implements	1	160	161	.08
Wagons, carriages, tools, etc.	91	184	275	.15
Wines, liquors and beers	247	315	562	.31
Household goods and furniture	561	300	861	.50
Ice	497		497	.30
Merchandise	2,431	3,384	5,815	3.23
Miscellaneous:				
Other commodities not mentioned above	2,165	4,641	6,806	3.80
Total tonnage	58,213	121,414	179,627	100

ADDITIONAL QUESTIONS.

Express Companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

American Express Co. Freights taken at depots only; fixed rate per mile of road.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

Main line, 295.80 miles; Ithaca, 1.61 miles; St. Louis, 1 mile; total, 301.41 miles. Ann Arbor Railroad Company.

REPORT OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

INJURED.

December 11, Geo. Faust, brakeman, Mt. Pleasant. Making coupling.
December 27, J. Morrison, brakeman, Durand, making coupling.

STATE OF OHIO }
COUNTY OF LUCAS, } ss.

H. W. Ashley, general manager, and F. Gossman, auditor, of the Ann Arbor Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct sttetement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

H. W. ASHLEY, *General Manager.*
F. GOSSMAN, *Auditor.*

Subscribed and sworn to before me this 29th day of April, A. D. 1896.

[L. S.]

J. A. MILLER,
Notary Public, Lucas County, Ohio.

ANNUAL REPORT

OF THE

TOLEDO, ANN ARBOR & NORTH MICHIGAN RAILWAY COMPANY.

W. R. BURT, RECEIVER.

For the year ending December 31, 1895.

[Filed May 2, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

Auditor, F. GOSSMAN, Toledo, Ohio.
Treasurer, G. B. PARKE, Toledo, Ohio.
General Manager, H. W. ASHLEY, Toledo, Ohio.
Superintendent, W. F. BRADLEY, Durand, Mich.
Chief Engineer, H. E. RIGGS, Toledo, Ohio.
General Passenger Agent, W. H. BENNETT, Toledo, Ohio.
General Freight Agent, W. H. BENNETT, Toledo, Ohio.
Attorney, ALEX L. SMITH, Toledo, Ohio.
Receiver, W. R. BURT, Toledo, Ohio.

DIRECTORS.

GEO. W. MURRAY, Goshen, N. Y.
THOS. A. MCINTYRE, New York City.
JOS. RICHARDSON, New York City.
JAS. B. CLEWS, New York City.
EDMUND C. STEDMAN, New York City.
SAMUEL E. WILLIAMSON, New York City.
DAVID DOWS, JR., New York City.
J. S. CASEMENT, New York City.
BYRON H. STEVENS, New York City.
GEO. E. CROWE, New York City.

Company reorganized with new board and took, possession of property Nov. 1, 1895, under name of Ann Arbor Railroad Company.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: October 16, 1890; amended November 30, 1886.
Date of annual meeting of stockholders: Company ceased to exist October 31, 1895.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$918,971 23
Total expenses, including taxes	$896,534 81	
Net income		$22,436 57
Interest on funded debt	$321,662 50	
Interest on unfunded debt	8,272 19	
		329,934 69
Balance for the year	$307,498 12	
Balance (profit and loss) last year	426,706 42	
Items not included in above, as follows		81,000 80
Balance forward to next year	$815,205 34	

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$6,500,000 00
Par value of shares		$100 00		
Number of shares issued	65,000			
Amount paid in on common			$6,500,000 00	
Total amount paid in, as per books of the company				$6,500,000 00
Paid in per mile of road owned by company, 298.80 miles				$21,753 68

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage, gold, T., A. A. & G. T., January, 1880	6%	1921	New York	$1,260,000 00
First mortgage, gold, T., A. A. & N. M., May, 1883	6%	1924	New York	2,120,000 00
First mortgage, gold, T., A. A. & M. P., March, 1887	6%	1916	New York	400,000 00
First mortgage, gold, T., A. A. & C., March, 1887	6%	1917	New York	1,260,000 00
First mortgage, gold, T., A. A. & L. M., July, 1889	6%	1919	New York	767,000 00
First mortgage, gold, T., A. A. & N. M., consolidated January, 1890	5%	1940	New York	1,443,000 00
Frankfort & Southeastern, January, 1889	5½%	1919	New York	235,000 00
Total funded debt				$7,485,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For equipment		$908,412 97
For miscellaneous		2,178,058 59
For current balances		186,608 73
Total unfunded debt		$3,273,080 29

RECAPITULATION.

Total funded debt	$7,485,000 00
Total unfunded debt	3,273,080 29
Total debt liabilities	$10,758,080 29
Amount of debt liabilities per mile of road, 298.80 miles	36,004 28
Total amount of stock and debt	17,258,080 29
Stock and debt per mile of road, 298.80 miles	57,757 96

GENERAL BALANCE SHEET.—Dr.

Construction account	$12,469,878 56	
Equipment account	1,998,802 95	
		$14,468,681 51
Cash items:		
Due from agents		30,976 48
Other assets:		
Debit balances from companies and individuals	$526,531 96	
	1,250,000 00	
	166,685 00	
		1,943,216 96
Income account		815,205 34
Total		$17,258,080 29

GENERAL BALANCE SHEET.—Cr.

Capital stock		$6,500,000 00
Funded debt		7,485,000 00
Unfunded debt:		
Interest unpaid	$1,098,252 50	
Notes payable	670,076 09	
Vouchers and accounts	186,605 78	
Other liabilities (list as follows):		
Unadjusted bond coupons	332,730 00	
Car trusts	908,412 97	
Receivers' certificates	27,000 00	
		3,273,080 29
Total		$17 258,080 29

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$14,468,681 51
Average cost per mile of road (not including sidings) 298.80 miles	48,422 62
Proportion of cost for Michigan	14,231,395 14

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Total passenger fares	$198,434 76	
Express and baggage	17,277 80	
Mails	31,913 10	
Total passenger department earnings		242,625 66
Per train mile	$0 87.66	
Per mile of road	817 66	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$499,239 54	
Through traffic	65,732 57	
Total traffic	$564,972 11	
Total freight department earnings		$564,972 11
Per train mile	$1 28.49	
Per mile of road	1,903 99	

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$198,316 84	
Through fares	871 90	
Total passenger fares	$199,188 74	
Express and baggage	17,577 80	
Mails	32,460 70	
Other sources—boats	4,137 94	
Total	$253,365 18	
	4,137 94	
Total passenger department earnings, excluding boat earnings		$249,227 24
Per train mile	$0 87.69	
Per mile of road	823 26	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$519,965 46	
Through traffic	52,630 76	
Total traffic	$572,596 22	
Other sources, freight department—boats	70,530 99	
Total	$643,127 21	
	70,530 99	
Total freight department earnings, excluding boat earnings		572,596 22
Per train mile	$1 26.45	
Per mile of road	1,891 57	
Total transportation earnings, entire line		$896,532 39
Transportation earnings per mile of road, boat earnings deducted	$2,714 83	
Transportation earnings per train mile, boat earnings deducted $1 11.39		
Miscellaneous receipts from operating account, other than for transportation, as follows:		
From telegraph companies	$2,904 32	
From rent of tracks, yards and terminals	19,212 06	
From rents not otherwise provided for	322 61	
Total		22,438 99
Total earnings from operation of road		$918,971 38
Total earnings per mile of road	$3,035 61	
Total earnings per train mile	1 24.54	
Proportion of taxable earnings for Michigan	826,913 85	
Total taxable earnings per mile of road in Michigan	2,786 74	
Total income from all sources		$918,971 38
Proportion of income for Michigan		826,913 85

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$321,969 57
Renewals of rails	2,220 37
Renewals of ties	24,016 01
Repairs and renewals of bridges and culverts	25,555 67
Repairs and renewals of fences, road crossings, signs and cattle guards	8,037 24
Repairs and renewals of buildings and fixtures	18,454 45
Repairs and renewals of docks and wharves	2,658 21
Repairs and renewals of telegraph	6,153 25
Stationery and printing	240 93
Other expenses	348 74
Total	$411,614 29

MAINTENANCE OF EQUIPMENT.

Superintendence	$7,657 90
Repairs and renewals of locomotives	50,734 96
Repairs and renewals of passenger cars	12,791 86
Repairs and renewals of freight cars	43,496 67
Repairs and renewals of work cars	6,734 90
Repairs and renewals of marine equipment	23,743 75
Repairs and renewals of shop machinery and tools	5,023 28
Stationery and printing	337 22
Other expenses	5 34
Total	$155,525 88

CONDUCTING TRANSPORTATION.

Superintendence	$10,716 80
Engine and roundhouse men	57,155 70
Fuel for locomotives	67,832 00
Water supply for locomotives	3,119 28
Oil, tallow and waste for locomotives	2,588 67
Other supplies for locomotives	621 26
Train service	45,144 82
Train supplies and expenses	3,119 78
Switchmen, flagmen and watchmen	19,698 81
Telegraph expenses	12,698 84
Station service	45,405 68
Station supplies	2,754 92
Switching charges—balance	12,308 69
Car mileage—balance	17,770 80
Hire of equipment	4,010 50
Loss and damage	2,886 00
Injuries to persons	1,701 44
Clearing wrecks	1,437 14
Operating marine equipment	37,864 73
Advertising	1,789 29
Outside agencies	6,710 84
Rents for tracks, yards and terminals	9,666 66
Rent of buildings and other property	2,007 00
Stationery and printing	3,753 27
Other expenses	484 55
Total	$373,197 57

GENERAL EXPENSES.

Salaries of general officers	$12,583 34
Salaries of clerks and attendants	8,680 39
General office expenses and supplies	2,186 65
Insurance	4,521 94
Law expenses	2,768 26
Stationery and printing (general offices)	1,706 32
Other expenses	1,536 59
Taxes	22,214 18
Total	$56,197 07

RECAPITULATION OF EXPENSES.

Maintenance of ways and structures	$311,614 29
Maintenance of equipment	155,525 88
Conducting transportation	373,197 57
General expenses, including taxes	56,197 07
Total operating expenses and taxes	$896,534 81

Operating expenses and taxes per mile of road	$3,961 50
Operating expenses and taxes per train mile run, for trains earning revenue, 737,849 miles	1 21.50
Total proportion of expenses and taxes for Michigan	878,792 42
Net earnings per mile of road	74 11
Net earning per train mile	03.04

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:

From Toledo, Ohio, to Frankfort, Mich., Nov. 17, 1889.

MAIN LINE.

	Miles.	Miles.
In Michigan, from State line to Frankfort, Mich.	286.96	
In Ohio, from State line to Toledo, Ohio	5.00	
Total length completed		291.96

BRANCHES.

From main line to Ithaca	1.61	
From main line to St. Louis	1.42	
From main line to Pine River	1.00	
From main line to Rees mill	1.52	
From main line Diggins mill	1.29	
Total length of branches owned by company		6.84
Total length of branches owned by company in Michigan	6.84	
Total length of road belonging to this company		293.80
Total length of road belonging to this company in Michigan		293.80
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated		47.73
Aggregate length of tracks in Michigan belonging to this company, computed as single track		341.53

Gauge of track, 4 feet, 8½ inches.

Proprietary or leased roads operated by this company.

Name, description and length of each:	Total miles.	In Michigan.
Pennsylvania Co., at Toledo, Ohio	1.00	
Grand Trunk from Hamburg to Hamburg Junction	2.93	2.93
Total miles operated by this company	3.93	2.93

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	2	52
Iron bridges	14	1,306
Combination bridges	5	437
Wooden trestles	167	6,174
Total	188	7,969

Crossings—railroad and highway.

What railroad cross your road at grade in this State, and at what locality?
Lake Shore & Michigan Southern R. R. at Monroe Junction, Dundee and Pittsfield.
Wabash R. R. at Milan.
Detroit, Lansing & Northern R. R. at Howell Junction and St. Louis.
Detroit, Grand Haven & Milwaukee R. R. at Durand.
Chicago & Grand Trunk R. R. at Durand.
Michigan Central R. R. at Owosso.
Flint & Pere Marquette R. R. at Clare.
Grand Rapids & Indiana R. R. at Cadillac.
Cummer Lumber Co. R. R. at Cadillac.
Manistee & Northeastern R. R. at Copemish.
Chicago & West Michigan R. R. at Thompsonville.

What railroads cross your road either over or under your grade in this State, and where?
Under:
Michigan Central R. R. at Ann Arbor.

At what crossings are interlocking and derailing switches in operation?
Detroit, Lansing & Northern at Howell Junction.
Flint & Pere Marquette at Clare.
Grand Rapids & Indiana at Cadillac.
Chicago & West Michigan at Thompsonville.

What pattern or patterns have you adopted?
Union Switch and Signal, Allentown.

Number of crossings of highways at grade in this State	312
Number of crossings of highways at grade in this State at which there are gates or flagmen	5
Number of crossings at which there are electric or automatic signals	3

What pattern or patterns in use?
O'Neill's.

Number of crossings of highways over or under railroad: over, 3; under, 2.
Number of highway bridges, 18 feet above track 3

Have safety guards been erected at overhead obstructions?
Yes?

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Blocked with wood and spiked to tie.

Stations.

Number of stations on whole lines	68
Same in Michigan	65

Employés.

Number of persons regularly employed on all roads operated by company, including officials	910
Same in Michigan	807

Classify your employés as per following list:	Number.
Baggagemen	5
Brakemen	62
Conductors	34
Engineers	45
Firemen	45
Laborers	241
Shopmen	201
Yardmen	41
Others	236

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fence have you?	557
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:	
Clare and Benzie	20

Road bed and track.

Number of track sections in Michigan	46
Average lengths of sections, miles	6.12

Bridges and culverts.

Amount of trestle work replaced with earth during the year, linear feet	985
Timber culvert replaced during the year:	
With iron pipe, number	14
With sewer pipe, number	33

New bridges built during the year—number, 9.

Location.	Kind.	Material.	Month built.	Feet in length.
½ mile north of Alexis	Girder	Steel		20
3 miles north of Samaria	Girder	Steel		25
½ mile south of Monroe Junction	Girder	Steel		20
1 mile north of Dundee	Girder	Steel		20
½ mile south of Vernon	Girder	Steel		40
¼ mile north of Vernon	Girder	Steel		40
¾ mile south of Shepherd	Girder	Steel		40
1 mile south of Shepherd	Girder	Steel		64
1 mile south of Mt. Pleasant	Girder	Steel		64
Total				333

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	40	$108,600 00
Number of locomotive of 20 to 30 tons weight, exclusive of tender	2	3,200 00
Total	42	$111,800 00

Number of passenger cars—12-wheel, including official cars	22	$46,851 59
Number of express and baggage cars	5	14,440 40
Number of box freight cars	707	135,499 22
Number of platform cars	408	51,399 48
Number of conductors' way cars	26	5,444 40
Other cars as follows:		
2 steam shovels, 1 pile driver, 3 snow plows, 5 relief, 1 derrick, 2 tool	14	6,161 88
Total	1,182	$371,596 97

Number of locomotives equipped with power brakes	40
Number of passenger train cars equipped with power brakes	27

What patterns of power brakes have you in use, and number of locomotives and cars with each?
27 passenger cars, Westinghouse; 37 locomotives, Westinghouse; 5 locomotives, Eames Vacuum.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Trojan.

How are your passenger cars heated?
Steam from engines.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.
Miles run by passenger trains during the year	285,015
Miles run by freight trains during the year	452,834
Total mileage of trains earning revenue	737,849

Passenger traffic.—Entire lines.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	143		
Number of local passengers carried, earning revenue	216,858		
Total number of passengers carried, earning revenue	217,001		
Number of passengers carried one mile	9,405,833		
Average distance carried		43.26	
Average amount received from each passenger			$0 91.8
Average receipts per mile for through passengers			1 0
Average receipts per mile for local passengers			2.1
Average receipts per passenger per mile for all passengers			2.1

Passenger traffic.—In State of Michigan.

	Numbers.	Miles.	Rate
Number of through passengers carried, earning revenue	143		
Number of local passengers carried, earning revenue	216,340		
Total number of passengers carried, earning revenue	216,483		
Number of passengers carried one mile	9,191,222		
Average distance carried		42.4	
Average amount received from each passenger			$0 88.5
Average receipts per mile for through passengers			1.0
Average receipts per mile for local passengers			2.1
Average receipts per passenger per mile for all passengers			2.1

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	70,650		
Number of tons of local freight carried, earning revenue	725,866		
Total tons of freight carried, earning revenue	796,516		
Total mileage of through freight		21,110,220	
Total mileage of local freight		60,249,863	
Total freight mileage of tons carried one mile		81,360,083	
Average ton haul for through freight		298.8	
Average ton haul for local freight		83	
Average ton haul for all freight		102.1	
Average amount received for each ton haul			71.9
Average receipts ton per mile, for through freight			.25
Average ton receipts per mile, for local freight			.86
Average receipts ton per mile, for all freight			.70

Freight traffic.—In State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	76,754		
Number of tons of local freight carried, earning revenue	719,762		
Total tons of freight carried, earning revenue	796,516		
Total mileage of through freight		22,473,571	
Total mileage of local freight		58,462,612	
Total freight mileage, or tons carried one mile		80,936,183	
Average ton haul for through freight		292 8	
Average ton haul for local freight		81	
Average ton haul for all freight		102	
Average amount received for each ton haul			70.90
Average receipts ton per mile, for through freight			.29
Average receipts ton per mile, for local freight			.86
Average receipts ton per mile, for all freight			.70

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	9,501	20,725	35,326	3.80
Flour	6,133	13,805	19,938	2.50
Other mill products	3,250	11,398	14,648	1.83
Hay	4,878	7,415	12,293	1.53
Tobacco	51	569	620	.06
Cotton		10,226	10,226	1.28
Fruit and vegetables	4,960	11,607	16,567	2.09
Products of animals:				
Live stock	9,440	1,413	10,853	1.36
Dressed meats		1	1	.00
Other packing house products	2	51	53	.01
Poultry, game and fish	114	261	375	.05
Wool	199	373	572	.07
Hides and leather	319	1,607	1,926	.24
Products of mines:				
Anthracite coal	30	25,383	25,413	3.20
Bituminous coal		237,060	237,060	29.76
Coke	60	782	842	.11
Ores	98		98	.01
Stone, sand and other like articles	821	4,360	5,181	.65
Salt	3	4,212	4,215	.53
Products of forest:				
Lumber	109,546	73,623	183,169	23.00
Logs	76,346	2,015	78,361	9.83
Charcoal	6,309	26	6,335	.80
Manufactures:				
Petroleum and other oils	3,195	4,092	7,287	.91
Sugar	95	1,583	1,678	.21
Staves and heading	16,166	6,309	22,475	2.82
Iron, pig and bloom		4,410	4,410	.55
Iron and steel rails		606	606	.08
Other castings and machinery	3,873	5,720	9,593	1.21
Bar and sheet metal	39	558	597	.07
Cement, brick and lime	4,182	3,439	7,621	.96
Agricultural implements	76	753	829	.10
Wagons, carriages, tools, etc.	325	698	1,023	.13
Wines, liquors and beers	1,923	1,119	3,042	.40
Household goods and furniture	2,814	990	3,804	.49
Ice	5,365		5,365	.67
Merchandise	15,570	20,637	36,207	4.55
Miscellaneous:				
Other commodities not mentioned above	13,475	19,532	33,007	4.14
Total tonnage	299,158	497,358	796,516	100

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	9,501	20,725	30,226	3.80
Flour	6,123	13,805	19,928	2.50
Other mill products	3,250	11,398	14,648	1.83
Hay	4,878	7,415	12,293	1.53
Tobacco	51	569	620	.06
Cotton	----------	10,226	10,226	1.28
Fruit and vegetables	4,960	11,607	16,567	2.09
Products of animals:				
Live stock	9,440	1,413	10,853	1.36
Dressed meats	----------	1	1	.00
Other packing house products	2	51	53	.01
Poultry, game and fish	114	261	375	.05
Wool	199	373	572	.07
Hides and leather	319	1,607	1,926	.24
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Ice	5,365	----------	5,365	.67
Merchandise	15,570	20,637	36,207	4.55
Miscellaneous:				
Other commodities not mentioned above	13,475	19,532	33,007	4.14
Total tonnage	299,158	497,358	796,516	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

American Express Co. Freight taken at depot only; fixed rate per mile of road.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

Main line, 298.80; Ithaca, 1.61; St. Louis, 1; total, 301.41. Toledo, Ann Arbor & North Michigan Railway Company.

REPORT OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

May 4, Jacob Kapp, trespasser, Ann Arbor. Struck by engine.
October 15, John Bell, watchman, Howell Junction. Trying to get on moving train.

INJURED.

January 28, G. Aiken, brakeman, Hamburg. Falling from car.
January 30, Chas. Vanleuren, brakeman, Hamburg. Making coupling.
March 9, Anson Wright, trespasser, Ann Arbor. Jumping off car.
April 11, W. A. Anderson, brakeman, Owosso. Picking up air hose in front of moving car.
May 22, Otto Sullivan, trespasser, near Durand. Struck by engine.
June 9, Ed Downey, trespasser, Mt. Pleasant. Trying to jump on engine.
June 10, Ray Shaw, brakeman, Boon. Making coupling.
July 12, Malcom McPherson, brakeman, Marion. Making coupling.
July 24, Beverly Bugg, trespasser, Pittsfield. Trying to jump on moving car.
July 26, F. Thorne, brakeman, Mt. Pleasant. Making coupling.
July 27, Chas. Taylor, brakeman, Whitmore Lake. Making coupling.
August 14, E. F. Cuddaback, brakeman, Ann Arbor. Struck by switch lever.
October 27, Angelo Fenally, laborer, Burnham. Trying to get on moving train.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars					7	
Falling from trains					1	
Getting on and off trains		1			1	
Miscellaneous					2	
Trespassers on trains						3
Trespassers on tracks			1			1
Total		1	1		11	4

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	2
Number of persons injured during the year	15
Number of casualties purely accidental	6
Number resulting from lack of caution, carelessness or misconduct	11

CLASSIFICATION OF EMPLOYÉS.

KILLED OR INJURED IN MICHIGAN.

Employés.	Killed.	Injured.	Total.
Brakemen		10	10
Laborers		1	1
Not classified above	1		1
Total	1	11	12

STATE OF OHIO, }
COUNTY OF LUCAS, } ss.

H. W. Ashley, general manager, and F. Gossman, auditor, of the Toledo, Ann Arbor & North Michigan Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895. to the best of their knowledge and belief.

[L. S OF R. R.] Signed

H. W. ASHLEY, *General Manager.*
F. GOSSMAN, *Auditor.*

Subscribed and sworn to before me this 29th day of April, A. D. 1896.

[L. S.]

J. A. MILLER,
Notary Public, Lucas County, Ohio.

ANNUAL REPORT

OF THE

ARCADIA AND BETSEY RIVER RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed April 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, HENRY STARKE, Arcadia, Michigan.
Vice President, HENRY MAUNTLER, Arcadia, Michigan.
Secretary, CHAS. J. STARKE, Arcadia, Michigan.
Auditor, ADOLPH HASSE, Arcadia, Michigan.
Treasurer, CHAS. J. STARKE, Arcadia, Michigan.
General Manager, HENRY STARKE, Arcadia, Michigan.
Chief Engineer, JOHN A. MITCHELL, Ludington, Michigan.
General Freight Agent, ADOLPH HASSE, Arcadia, Michigan.
Attorney, DOVEL & SMITH, Manistee, Michigan.

DIRECTORS.

HENRY STARKE, Arcadia, Michigan.
CHAS. J. STARKE, Arcadia, Michigan.
HENRY MAUNTLER, Arcadia, Michigan.
MARIA STARKE, Arcadia, Michigan.
JOHN WELDT, Arcadia, Michigan.
Terms expire December 31, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: September 25, 1895.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 7.
Amount of full paid stock held in Michigan at same date: 1230 shares @ $100.00 per share.
Date of annual meeting of stockholders: first Monday in January.
Fiscal year of company ends; November 30, 1895.
General offices of the company are located at Arcadia, Manistee Co., Michigan.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$960 33
Total expenses, including taxes	$624 37	
Net income or deficit		$335 96

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$165,000 00
Par value of shares		$100 00	
Number of shares issued	1,230 00		
Amount paid in on common		123,000 00	
Total amount paid in, as per books of the company			123,000 00

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

Balance due the Henry Starke Land and Lumber Co., on acct., they to take stock in Ry. Co., for amount	$5,152 13
Total debt liabilities	5,152 13
Amount of debt liabilities per mile of road	294 41
Total amount of stock and debt	128,152 13
Stock and debt per mile of road	7,322 98

GENERAL BALANCE SHEET.—DR.

Construction account		$109,354 60	
Equipment account		14,152 41	
Other investments (specifying same):			
Tool and implements	$ 70 00		
Car shop and round house	1,200 00		
Real estate	3,711 08		
		4,981 08	
Total			$128,488 09

GENERAL BALANCE SHEET.—CR.

Capital stock, paid in	$123,000 00
Unfunded debt:	
Vouchers and accounts	5,152 13
Profit and loss or income accounts	335 96
Total	$128,488 09

COST OF ROAD AND EQUIPMENT.

Total cost for construction and equipment of road and branches built by company.

Total expended for construction and equipment, rolling stock and road	$123,507 01
Average cost per mile of road (not including sidings) [17½ miles], 2½ mile spur	5,467 73
Proportion of cost for Michigan: entire road in Michigan.	

PURCHASED BY PRESENT COMPANY.

When purchased: September 25, 1896.	
Original cost to present company, of road and equipment, rolling stock and road	$113,689 34
Amount expended since purchase, account of construction	9,817 67
Total cost to date of report, road and rolling stock	$123,507 01
Average cost per mile of road (not including sidings) [17½ miles], 2½ mile siding	5,467 73
Proportion of cost for Michigan: entire road in Michigan.	

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$960 33	
Total traffic	$960 33	
Total transportation earnings, entire line		$960 33
Transportation per mile of road about	$96 03	
Total earnings from operation of road		$960 33
Total earnings per mile of road	$96 03	

ANALYSIS OF EXPENSES.

GENERAL EXPENSES.

Trainmen	$410 89
Taxes	213 48
Total	$624 37

RECAPITULATION OF EXPENSES.

Conducting transportation			$410 89
General expenses, including taxes			213 48
Total operating expenses and taxes			$624 37
Operating expenses and taxes per mile of road		$35 68	
Percentage of expenses to earnings	68%		
Net earnings per mile of road		33 60	

DESCRIPTION OF ROAD.

Date when road was opened between its present termini:
From Arcadia to Chicago & W. M. R'y, about November 15, 1895.

MAIN LINE.

	Miles.
In Michigan, from Arcadia to Station Henry	17.50

BRANCHES.

From main line to different sections of timber lands.

Total length of road belonging to this company in Michigan	17.50
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	2.50
Aggregate length of tracks in Michigan belonging to this company, computed as single track	20.00

Gauge of track, 4 feet 8½ inches.

If north of parallel 44 of latitude.
Yes.
Give date road commneced to be built.
Summer of 1893.
Give date road completed.
About November 15, 1895.
Give date road commenced to be operated.
About September 25, 1895.
Where built from and to.
Arcadia, Mich., to C. &. W. M. R'y.
Give exact number of miles.
17½ miles.

Number of bridges and trestles in Michigan.

Wooden bridges, number of.
3 small across creek.

Crossings—railroad and highway.

Number of crossings of highways at grade in this State	19

Stations.

Number of stations on whole line.
No regular station established.

Employés.

Number of persons regularly employed on all roads operated by company, including officials about	20
Classify your employés per following list:	Number.
Brakemen	1
Conductors	1
Engineers	1
Firemen	1
Laborers, from 9 to 20.	
Shopmen	1
Others	4

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you? On both sides of track about..... 7
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed: Manistee county, about..... 10½

Road bed and track.

Number of track sections in Michigan: One.
Average number of men in each section gang: About 9 men on entire length of road.

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	1	$6,775 00
Number of platform cars.....	15	
Other cars as follows:		
Logging cars.....	35	
Total.....	50	

What patterns of power brakes have you in use, and number of locomotives and cars with each?
New York air brake on locomotives.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 58, session laws of 1887?
No.
What pattern or patterns have you adopted for use?
Common.

MILEAGE TRAFFIC, ETC.

Miles run by freight trains during the year?
Since September 25, about 600 miles.

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Timber, 6,000 feet.
Logs, 1,100,347.
Wood, 235 cords.

STATE OF MICHIGAN, }
COUNTY OF MANISTEE, } ss.

Charles J. Starke, secretary, and Henry Mauntler, vice president of the Arcadia & Betsey River Railway, company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

CHARLES J. STARKE, *Secretary.*
HENRY MAUNTLER.

Subscribed and sworn to before me this 30th day of March, A. D. 1896.

[L. S.]

ADOLPH HASSE.
Notary Public for Manistee County.

ANNUAL REPORT

OF THE

AU SABLE & NORTHWESTERN RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed May 29, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, H. M. LOUD, Au Sable, Mich.
Vice President, GEO. A. LOUD, Au Sable, Mich.
Secretary, H. N. LOUD, Au Sable, Mich.
Auditor, W. F. LOUD, Au Sable, Mich.
Treasurer, W. F. LOUD, Au Sable, Mich.
General Manager, GEO. A. LOUD, Au Sable, Mich.
General Superintendent, H. Park, McKinley, Mich.
General Passenger Agent, EDW. F. LOUD, Au Sable, Mich.
General Freight Agent, GEO. H. KEATING, Bay City, Mich.

STOCKHOLDERS STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: July 21, 1891.
Number of stockholders at date of last election: 8.
Number of stockholders in Michigan at same date: 8.
Date of annual meeting of stockholders: July 22.
Fiscal year of company ends: December 31.
General offices of the company are located at Au Sable.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$52,286 31
Total expenses, including taxes	$92,087 18	
Net deficit	$39,800 92	
Balance (profit and loss) last year		$317,612 60
Balance forward to next year		$277,811 68

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association		$560,000 00
Par value of shares	$100 00	
Amount paid in on common		41,500 00
Amount paid in on shares not issued		41,500 00
Total amount paid in, as per books of the company		41,500 00
Paid in per mile of road owned by company, 108 miles		384 25

ANALYSIS OF DEBT ACCOUNT.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated.	Amount.
For construction For equipment For real estate For renewals For miscellaneous For current balances	To be paid	$133,986 94

Total debt liabilities	$133,986 94
Amount of debt liabilities per mile of road, 108 miles	1,240 62
Total amount of stock and debt	$175,486 94
Stock and debt per mile of road, 108 miles	1,624 88

GENERAL BALANCE SHEET.—Dr.

Construction account, Equipment account, Other investments,	$443,602 18
Cash items: Due from agents	13 45
Other assets: Materials and supplies, Sinking funds, Debit balances from companies and individuals	5,994 00 3,688 99
Total	$453,298 62

GENERAL BALANCE SHEET.—Cr.

Capital stock	$41,500 00
Unfunded debt	133,986 94
Profit and loss or income accounts	277,811 68
Total	$453,298 62

COST OF ROAD AND EQUIPMENT.

PURCHASED BY PRESENT COMPANY.

When purchased: July 22, 1891.

Original cost to present company, of road and equipment	$173,000 00
Amount expended since purchase, account of construction	42,077 27
Amount expended since purchase, account of equipment	23,147 88
Total cost to date of report	$238,225 15
Average cost per mile of road, not including sidings, 108 miles	2,205 76

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches: Total passenger fares	$8,126 85	
Mails	2,139 00	
Total passenger department earnings		$10,265 85
Per train mile	$0 18	
Per mile of road	95 05	

FREIGHT EARNINGS.

Main line and branches:		
Total traffic		$42,020 26
Per train mile	20 21	
Per mile of road	389 08	
Total transportion earnings, entire line		$52,286 21
Transportation earnings per mile of road, 108 miles	$484 13	
Transportation earnings per train mile	21	
Total earnings from operation of road		$52,286 21
Total earnings per mile of road	$484 13	
Total earnings per train mile	21	
Proportion of taxable earnings for Michigan	$52,286 21	
Total income from all sources		$52,286 21
Proportion of income for Michigan	$52,286 21	

ANALYSIS OF EXPENSES.

Maintenance of way and structures	$13,264 55
Maintenance of equipment	20,824 91
Conducting transportation	54,278 79
General expenses, including taxes	4,618 88
Total operating expenses and taxes	$92,687 13
Operating expenses and taxes per mile of road, 108 miles	852 64
Operating expenses and taxes per train mile run, for trains earning revenue, 250,000 miles	37

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Au Sable to McKinley	40	
In Michigan, from McKinley to Tong's	25	
Total length completed		65

BRANCHES.

From McKinley to Woodrow	43	
Total length of branches owned by company		43
Total length of road belonging to this company		108
Total length of road belonging to this company in Michigan		108

Gauge of track 3 ft.

Number of bridges and trestles in Michigan.

	Number.	Aggregate. length, feet.
Wooden bridges	2	800
Wooden trestles	8	3,800
Total	10	4,600

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
D. and M. R. R. at Au Sable.

At what crossings are interlocking and derailing switches in operation?
Detroit and Mackinac R. R.

What pattern or patterns have you adopted?
Union Switch & Signal Co.

Number of crossings of highway at grade in this State.
Thirty.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
No.

How are they treated?
Wood.

Stations.

Number of stations on whole line, all in Michigan	22

Employés.

Number of persons regularly employed on all roads operated by company, including officials	118
Same in Michigan	118
Classify your employés per following list:	Number.
Baggagemen	1
Brakemen	8
Conductors	8
Engineers	11
Firemen	11
Laborers	72
Shopmen	7

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?
Not required.

Road bed and track.

Number of track sections in Michigan	10
Average lengths of sections, miles	6
Average number of men in each section gang	8

ROLLING STOCK.

	Number.
Number of locomotives of 20 to 30 tons weight, exclusive of tender	16
Number of locomotives of 10 to 20 tons weight exclusive of tender	4
Total	20
Number of passenger cars—8-wheel, including official cars	2
Number of express and baggage cars	2
Number of box freight cars	8
Number of stock cars	3
Number of platform cars	12
Other cars as follows:	
240 Russells, 50 long timber, 11 coal cars, 1 snow plow	302
Total	329
Number of locomotives equipped with power brakes	20
Number of passenger-train cars equipped with power bra kes	4

How are your passenger cars heated?
Stoves.

MILEAGE TRAFFIC, ETC.

Train mileage.

	Entire lines.
Miles run by passenger trains during the year	56,500
Miles run by freight trains during the year	193,500
Total mileage of trains earning revenue	250 000

Passenger traffic.—Road all in State of Michigan.

Number of through passengers carried earning revenue	8,378

Freight traffic.—Road all in State of Michigan.

Number of tons of through freight carried, earning revenue	59,575

ADDITIONAL QUESTIONS.

Telegraph.

Number of miles of telephone on your road, and to whom does it belong?
65 miles; this company.

STATE OF MICHIGAN, }
COUNTY OF IOSCO, } ss.

H. M. Loud, President, and H. N. Loud, Secretary of the Au Sable & Northwestern Railroad Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed H. M. LOUD, *President.*
H. N. LOUD, *Secretary.*

Subscribed and sworn to before me this 26th day of May, A. D. 1896.

[L. S.] FORREST C. EBLING,
Notary Public.

ANNUAL REPORT

OF THE

BAY CITY BELT LINE RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 24, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, ALBERT MILLER, Bay City, Mich.
Secretary, CHESTER L. COLLINS, Bay City, Mich.
Treasurer, JOSEPH TURNER, Bay City, Mich.

DIRECTORS.

ALBERT MILLER, Bay City, Mich.
JOSEPH TURNER, Bay City, Mich.
C. L. COLLINS, Bay City, Mich.
W. H. TOUSEY, Bay City, Mich.
GEORGE TURNER, Bay City, Mich.
G. HENRY SHEARER, Bay City Mich.
E. T. CARRINGTON, Bay City, Mich.
Terms expire first Monday in June, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: June 30, 1889.
Number of stockholders at date of last election: 9.
Number of stockholders in Michigan at same date: 8.
Amount of full paid stock held in Michigan at same date: $51,750.
Date of annual meeting of stockholders: first Monday of June.
Fiscal year of company ends first Monday of June.
General offices of the company are located at Bay City, Mich.

REMARKS.

Of the total mileage owned 6.21 miles is leased to the Flint & Pere Marquette Railroad Company, and 1.88 miles is leased to the Michigan Central Railroad Company. Each lessee company operates and maintains its respective mileage.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$100,000 00
Par value of shares		$100 00	
Average price received per share		100 00	
Number of shares issued	1,000		
Total amount paid in, as per books of the company			$100,000 00
Paid in per mile of road owned by company—miles, 8.09			12,360 94

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For construction		$12,890 61
For real estate		5,280 91
Total unfunded debt		$18,171 52

RECAPITULATION.

Total debt liabilities	$18,171 52
Amount of debt liabilities per mile of road, 8.09 miles	2,246 17
Total amount of stock and debt	118,171 52
Stock and debt per mile of road	14,607 11

COST OF ROAD AND EQUIPMENT.

Total cost for construction and equipment of road and branches built by company.

Total expended for construction	$112,890 61
Average cost per mile of road, not including sidings, 8.09 miles	13,954 34
Proportion of cost of construction for Michigan	112,890 61

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.
Length completed in Michigan	8.09
Total length completed	8.09
Aggregate length of sidings, spurs and other tracks not above enumerated	4.71
Same in Michigan	4.71
Aggregate length of tracks belonging to this company, computed as single track	12.80

Gauge of track, 4 feet 8½ inches.

STATE OF MICHIGAN, }
COUNTY OF BAY, } ss.

Albert Miller, president, and Chester L. Collins, secretary, of the Bay City Belt Line Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1896, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

ALBERT MILLER, *President.*
CHESTER L. COLLINS, *Secretary.*

Subscribed and sworn to before me this 22d day of April, A. D. 1896.

[L. S.] HORACE TUPPER, JR.,
Notary Public, Bay County, Mich.

ANNUAL REPORT

OF THE

BOYNE CITY & SOUTHEASTERN RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed March 26, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, WM. H. WHITE, Boyne City.
Vice President, THOS. WHITE, Boyne City.
Secretary, A. D. WHITE, Boyne City.
Auditor, L. D. FAIRCHILD, Boyne City.
Treasurer, JAS. A. WHITE, Boyne City.
General Manager, WM. H. WHITE, Boyne City.
General Superintendent, R. V. WHITE, Boyne City.
Assistant General Superintendent, THOS. WHITE, Boyne City.
Cashier, L. D. FAIRCHILD, Boyne City.
General Passenger Agent, A. D. WHITE, Boyne City.
General Freight Agent, GEORGE WHITE, Boyne City.
Attorney, J. M. HARRIS, Boyne City.

DIRECTORS.

WM. H. WHITE, Boyne City, Mich.
THOS. WHITE, Boyne City, Mich.
JAS. A. WHITE, Boyne City, Mich.
GEO. WHITE, Boyne City, Mich.
R. V. WHITE, Boyne City, Mich.
LYDE WHITE, Boyne City, Mich.
A. D. WHITE, Boyne City, Mich.
Terms expire December 31, 1895.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: May 3, 1893.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 7
Fiscal year of company ends December 31, 1895.
General offices of the company are located at Boyne City, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$17,901 29
Total expenses, including taxes	$10,749 25	
Net income		$7,152 04
Balance applicable to dividends		$7,152 04
Balance for the year		$7,152 04
Balance (profit and loss) last year		2,998 80
Balance forward to next year		$10,150 84

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$256,000 00
Par value of shares	$100 00		
Number of shares issued	500		
Amount paid in on common		$50,000 00	
Total amount paid in as per books of the company			50,000 00
Paid in per mile of road owned by company, 14 miles			3,571 43

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

For what incurred?	Is the same to be funded or how liquidated?	Amount.
For construction	Paid from earnings.	$39,519 96
For equipment		7,364 49
For miscellaneous		3,100 00
Total unfunded debt		$49,984 45

RECAPITULATION.

Total debt liabilities	$49,984 45
Amount of debt liabilities per mile or road, 14 miles	3,570 32
Total amount of stock and debt	99,984 45
Stock and debt per mile of road, 14 miles	7,141 75

GENERAL BALANCE SHEET.—Dr.

Construction account	$63,926 56	
Equipment account	15,300 00	
Other investments:		
Real estate and round house	1,000 00	
		$79,226 56
Cash items:		
Cash	$148 71	
Bills receivable	460 02	
		608 73
Other assets:		
Materials and supplies	$300 00	
Debit balances from companies and individuals	30,000 00	
		30,300 00
Total		$110,135 29

GENERAL BALANCE SHEET.—Cr.

Capital stock		$50,000 00
Unfunded debt:		
Notes payable	$15,364 49	
Vouchers and accounts	34,619 96	
		49,984 45
Profit and loss or income accounts		10,150 84
Total		$110,135 29

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$78,226 56
Average cost per mile of road (not including sidings), 14 miles	5,587 61
Proportion of cost for Michigan	78,226,56

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$839 90	
Total passenger fares		$839 90
Mails		271 60
Total passenger department earnings		$1,111 50
Per train mile	$0 12	
Per mile of road	79 39	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$12,322 13	
Through traffic	4,107 37	
Total traffic	$16,429 50	
Other sources, freight department	360 29	
Total freight department earnings		16,789 79
Per train mile	$0 95	
Per mile of road	1,199 27	
Total transportation earnings, entire line		$17,901 29
Transportation earnings per mile of road		1,278 66
Transportation earnings per train mile		67
Total earnings from operation of road		17,901 29
Total earnings per mile of road		1,278 66
Total earnings per train mile		67
Total income from all sources		17,901 29
Proportion of income for Michigan		17,901 29

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$1,914 88
Renewals of ties	273 49
Repairs and renewals of bridges and culverts	48 93
Repairs and renewals of fences, road crossings, signs and cattle guards	192 20
Total	$2,429 50

MAINTENANCE OF EQUIPMENT.

Repairs and renewals of locomotives	$799 93
Repairs and renewals of freight cars	809 13
Total	$1,609 06

CONDUCTING TRANSPORTATION.

Engine and roundhouse men	$2,675 44
Fuel for locomotives	1,836 62
Oil, tallow and waste for locomotives	287 42
Train service	847 14
Train supplies and expenses	5 12
Station service	261 03
Hire of equipment	60 00
Loss and damage	42 50
Advertising	6 00
Stationery and printing	48 13
Other expenses	61 10
Total	$6,130 50

GENERAL EXPENSES.

Salaries of general officers	$200 00
Law expenses	380 19
Total	$580 19

RECAPITULATION OF EXPENSES.

Maintenance of way and structures	$2,429 50
Maintenance of equipment	1,609 06
Conducting transportation	6,130 50
General expenses, including taxes	580 19
Total operating expenses and taxes	$10,749 25
Total proportion of expenses for Michigan	10,749 25
Percentage of expenses to earnings	60
Net earnings per mile of road	1,278 66
Net earnings per train mile	67

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:

From Boyne City to Boyne Falls, August 28, 1893.
From White Junction to Camp No. 2, November 12, 1894.
From Camp No. 2 to New Camps, December 2, 1895.
Extension of main line from White's Junction.

MAIN LINE.

		Miles.
In Michigan from Boyne City to White's Camp	11.12	
Total length completed		11.12

BRANCHES.

From White's Junction to Boyne Falls	.82	
From camp to banking ground	1.36	
From main line to saw mill and dock	.70	
Total length of branches owned by company		2.88
Total length of branches owned by company in Michigan	2.88	
Total length of road belonging to this company		14
Total length of road belonging to this company in Michigan		14
Aggregate length of tracks in Michigan belonging to this company, computed as single track		14

Gauge of track, 4 feet 8½ inches.

If north of parallel 44 of latitude:
Yes.

Give date road commenced to be built:
April 26, 1893.

Give date road completed:
August 28, 1893.

Give date road commenced to be operated:
August 28, 1893.

Where built from and to:
Boyne City to New Camps; White's Junction to Boyne Falls.

Give exact number of miles:
Fourteen.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet
Wooden bridges	2	98
Total	2	98

Crossings—railroad and highway.

Number of crossings of highways at grade in this State 8

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Blocked—wooden blocks.

Stations.

Number of stations on whole lines, all in Michigan	8

Employés.

Number of persons regularly employed on all roads operated by company, including officials, all in Michigan	23
Classify your employés as per following list:	Number.
Baggagemen	1
Brakemen	2
Conductors	2
Engineers	2
Firemen	2
Laborers	8
Shopmen	2
Yardmen	1
Others	3

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	3½
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:	
Charlevoix	22½
Antrim	3
Total miles required	25½

Road bed and track.

Number of track sections in Michigan	2
Average length of sections, miles	7
Average number of men in each section gang	4
Number of new ties put in whole line during the year	1,792
Number of new ties put in track in Michigan	1,792
Average number of new ties per mile of road	128
New rails put in track:	
Steel, miles	2
Total miles of track laid with new rails	14

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of 20 to 30 tons weight, exclusive of tender	1	$5,700 00
Number of locomotives of 10 to 20 tons weight, exclusive of tender	1	2,000 00
Total	2	$7,700 00
Number of passenger cars—8-wheel, including official cars	1	$800 00
Number of box freight cars, leased	1	
Other cars as follows:		
Logging	33	6,600 00
Total	35	$7,400 00

Number of locomotives equipped with power brakes	1
Number of passenger train cars equipped with power brakes	1

What patterns of power brakes have you in use, and number of locomotives and cars with each?
1 locomotive, American steam brake; 1 passenger car, air brake.

Are your freight cars being equipped with automatic couplers as required by act No. 147, sessions laws of 1885, as amended by act No. 83, session laws of 1887?
No.

How are your passenger cars heated?
Coal stoves.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	9,184
Miles run by freight trains during the year	17,528
Total mileage of trains earning revenue	26,712

Passenger traffic.—Road all in State of Michigan.

Number of local passengers carried, earning revenue	3,000		
Total number of passengers carried, earning revenue	3,000		
Number of passengers carried one mile		21,000	
Average distance carried		7	
Average amount received from each passenger			$0 28
Average receipts per mile for local passengers			4
Average receipts per passenger per mile for all passengers			4

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	951	7	
Number of tons of local freight carried, earning evenue	38,431	13	
Total tons of freight carried, earning revenue	39,382		
Total mileage of through freight		9,184	
Total mileage of local freight		17,528	
Total freight mileage or tons carried one mile		506,262	
Average ton haul for through freight		6.657	
Average ton haul for local freight		499,608	
Average ton haul for all freight		506,260	
Average amount received for each ton haul			$0 42
Average receipts ton per mile for through freight			62
Average receipts ton per mile for local freight			2.50
Average receipts ton per mile for all freight			3.20
Estimated cost of carrying one ton one mile			2 10

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Flour	19	166	185	
Other mill products	53	97	150	
Hay	75	160	235	
Tobacco		4	4	
Cotton		9	9	
Fruit and vegetables	10	20	30	
Potatoes	14	5	19	
Products of animals:				
Live stock		10	10	
Dressed meats	6	12	18	
Other packing house products		43	43	
Hides and leather	2	2	4	
Products of mines:				
Bituminous coal		20	20	
Salt	1	5	6	
Products of forest:				
Lumber	650	70	720	
Logs	37,565		37,565	
Shingles	10		10	
Manufactures:				
Petroleum and other oils	2	55	57	
Sugar	2	48	50	
Other castings and machinery		54	54	
Cement, brick and lime		12	12	
Agricultural implements	5	13	18	
Wagons, carriages, tools, etc.	1	7	8	
Wines, liquors and beers		44	44	
Household goods and furniture	12	37	49	
Merchandise	4	40	44	
Miscellaneous:				
Other commodities not mentioned above		18	18	
Total tonnage	38,431	951	39,382	

STATE OF MICHIGAN, }
COUNTY OF CHARLEVOIX, } ss.

Wm. H. White, president, and L. D. Fairchild, auditor, of the Boyne City & South Eastern Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

WM. H. WHITE, *President.*
L. D. FAIRCHILD, *Auditor.*

Subscribed and sworn to before me this 25th day of March, A. D. 1896.
[L. S.]

JOHN F. FAIRCHILD,
Notary Public.

ANNUAL REPORT

OF THE

BUCHANAN & ST. JOSEPH RIVER RAILROAD COMPANY.

For the year ending December 31, 1896.

[Filed April 20, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, FRED E. LEE, Dowagiac, Mich.
Vice President, JOHN G. HOLMES, Dowagiac, Mich.
Secretary, J. O. BECRAFT, Dowagiac, Mich.
Treasurer, J. O. BECRAFT, Dowagiac, Mich.
Chief Engineer, C. W. HOTCHKISS, Niles, Mich.

DIRECTORS.

FRED E. LEE, Dowagiac, Mich.
J. O. BECRAFT, Dowagiac, Mich.
H. H. PORTER, Dowagiac, Mich.
C. W. GROVES, Buchanan, Mich.
J. G. HOLMES, Buchanan, Mich.
FRANK ENGLISH, Buchanan, Mich.
JNO. M. HUBBELL, Buchanan, Mich.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: October 12, 1894.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 7.
Amount of full paid stock held in Michigan at same date: $5,000.
Date of annual meeting of stockholders: October 12.
Fiscal year of company ends October 12.
General offices of the company are located at Dowagiac, Mich.

REMARKS.

The company has built in 1895 1¾ miles of line, but is not in operation as yet.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$20,000 00
Par value of shares		$100 00	
Number of shares issued	200		
Amount paid in on common		5,000 00	
Total amount paid in as per books of the company			5,000 00

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.
Total length of road belonging to this company in Michigan	1.75

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?
1½ miles.

STATE OF MICHIGAN, }
COUNTY OF CASS, } ss.

Fred E. Lee, President, and J. O. Becraft, Secretary, of the Buchanan & St. Joseph River Railroad Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed FRED E. LEE, *President.*
J. O. BECRAFT, *Secretary.*

Subscribed and sworn to before me this 17th day of April, A. D. 1896.

ABNER M. MOON,
Notary Public in and for Cass County, Mich.

ANNUAL REPORT

OF THE

CENTRAL MICHIGAN RAILROAD COMPANY.

For the year ending December 31, 1895.

[Filed April 22, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, J. W. BOYNTON, Grand Rapids, Mich.
Vice President, WM. E. GROVE, Grand Rapids, Mich.
Secretary, M. C. DORITY, Grand Rapids, Mich.
Auditor, DAVID L. STIVEN, Grand Rapids, Mich.
Treasurer, M. C. DORITY, Grand Rapids, Mich.
General Manager, J. W. BOYNTON, Grand Rapids, Mich.
Chief Engineer, C. M. RICH, Grand Rapids, Mich.

DIRECTORS.

J. W. BOYNTON, Grand Rapids, Mich.
WM. E. GROVE, Grand Rapids, Mich.
M. C. DORITY, Grand Rapids, Mich.
PARKER MERRILL, St. Louis, Mich.
DAVID L. STIVEN, Grand Rapids, Mich.
FREMONT E. SKEELS, Grand Rapids, Mich.
SILAS W. FINCH, Grand Rapids, Mich.
H. C. PECKHAM, Freeport, Mich.
E. W. ELLITHORP, Chicago, Ill.
Terms expire June 1, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: September 7, 1888.
Number of stockholders at date of last election: 18.
Number of stockholders in Michigan at same date: 18.
Amount of full paid stock held in Michigan at same date: 130 shares.
Date of annual meeting of stockholders: June 1.
Fiscal year of company ends December 31.
General offices of the company are located at Grand Rapids, Mich.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association		$3,000,000 00
Par value of shares	$100 00	
Amount paid in on common	613,000 00	
Amount paid in on shares not issued	613,000 00	

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
July 2, 1888, issued $7,000,000.00 first mortgage bonds	5%	1938	New York	$850,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For miscellaneous	Account.	
Total		$14,000 00

RECAPITULATION.

Total funded debt	$50,000 00
Total unfunded debt	14,000 00
Total debt liabilities	$64,000 00
Amount of debt liabilities per mile of road, 146 miles	438 35
Total amount of stock and debt	677,000 00
Stock and debt per mile of road, 146 miles	4,568 49

GENERAL BALANCE SHEET.—DR.

Construction account:		
86 miles of grade	$301,000 00	
Other investments:		
146 miles right of way	292,000 00	
Terminal grounds	84,000 00	
Total		$677,000 00

BALANCE SHEET.—CR.

Capital stock	$613,000 00	
Funded debt	50,000 00	
Unfunded debt:		
Other liabilities (list as follows):		
Bills payable	5,000 00	
Balance on land contracts	9,000 00	
Total		$677,000 00

DESCRIPTION OF CENTRAL MICHIGAN RAILROAD.

December 31, 1895.

1. Give number of miles of road laid, if iron or steel, up to December 31, 1895.
Answer. None.
2. Has any portion of the road been operated for construction purposes, or in any other manner up to December 31, 1895?
Answer. None.
3. Give terminal points of 146 miles of right of way? Show main line and branches separate.
Answer. Commencing on the State line about a quarter of a mile west of the north and south center line of township of Amboy, in Hillsdale county, Michigan, thence northwesterly through Hillsdale to Branch county; thence in the same general direction through Branch county to Coldwater; thence northwesterly to the south line of Calhoun county; thence northerly to the city of Battle Creek; thence northwesterly through the village of Bedford to Barry county; thence northwesterly through Barry county to Gun Lake; thence northerly to the east line of Allegan county; thence northwesterly through Allegan county and east of Green Lake to Kent county; thence through Kent county to the city of Grand Rapids, and from Rockford to the city of Greenville, with the right of way on branch road from main line to the westerly line of Kent county at Jennison, making in all a distance of about 156 miles deducting from the 156 miles portion of the above described road, amounting to ten miles, as near as may be, of unsecured right of way, but covered by approved map and survey of the Central Michigan Rail Road Company.
4. The funded debt of Central Michigan Railroad Company is its first mortgage issue of $7,000,000.00 of 5% bonds, of date July 2, 1888, of which there was outstanding on December 31, only $50,000.

[L. S. OF R. R.] Signed J. W. BOYNTON, *President.*
M. C. DORITY, *Secretary.*

Crossings—railroad and highway.

What railrords cross your road at grade in this State, and at what locality?
Michigan Central R. R. at Battle Creek.
Michigan Central Air Line R. R. at or near Burlington.
Chicago & Grand Trunk R. R. at Battle Creek.
Cincinnati, Jackson & Mackinaw R. R. at Battle Creek.
The Lake Shore & Michigan Southern R. R. at Coldwater.
The Lake Shore & Michigan Southern R. R. at Montgomery.

STATE OF MICHIGAN, }
COUNTY OF KENT, } ss.

J. W. Boynton, President, and M. C. Dority, Secretary, of the Central Michigan Railroad Company, being duly sworn depose and say ;that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the conditions and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed J. W. BOYNTON.
M. C. DORITY.

Subscribed and sworn to before me this 21st day of April, A. D. 1896.

H. A. AVERILL,
Notary Public, Kent County, Michigan.

ANNUAL REPORT

OF THE

CHICAGO, DETROIT & CANADA GRAND TRUNK JUNCTION RAILWAY COMPANY.

For the year ending December 31, 1895.

[Filed April 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, L. J. SEARGEANT, London, England.
Vice President, JOHN BELL, Belleville, Ont.
Secretary, CHAS. PERCY, Montreal, Que.
Accountant, J. H. MUIR, Detroit, Mich.
General Manager, W. J. SPICER, Detroit, Mich.
Superintendent, A. B. ATWATER, Detroit, Mich.
Mechanical Superintendent, H. ROBERTS, Detroit, Mich.
Chief Engineer, GEO. MASSON, Detroit, Mich.
Cashier, GEO. B. REEVE, Chicago, Ill.
General Passenger Agent, W. E. DAVIS, Chicago, Ill.
General Freight Agent, DAVID BROWN, Chicago, Ill.
Attorney, E. W. MEDDAUGH, Detroit, Mich.

DIRECTORS.

L. J. SEARGEANT, London, England.
JOHN BELL, Belleville, Ont.
E. W. MEDDAUGH, Detroit, Mich.
W. J. SPICER, Detroit, Mich.
CHAS. PERCY, Montreal, Que.
Terms expire September, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: March 18, 1858.
Number of stockholders at date of last election: 16.
Number of stockholders in Michigan at same date: 2.
Amount of full paid stock held in Michigan at same date: $200.00.
Date of annual meeting of stockholders: Last Wednesday in September.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit, Mich.

GENERAL EXHIBIT.

		Debit.	Credit.
Total earnings from operation			$287,699 77
Total expenses, including taxes		$315,067 35	
Deficit		$27,367 58	
Interest on funded debt	$65,700 00		
Interest on stock	43,800 00	109,500 00	
Balance for the year, deficit		$136,867 58	
Items not included in above, as follows:			
Contribution from Grand Trunk Railway towards interest liabilities			136,867 58

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$1,095,000 00
Par value of shares		$100 00	
Number of shares issued	10,950		
Amount paid in on common		978,984 67	
Total amount paid in, as per books of the company			978,984 67
Paid in per mile of road owned by by company, 59.37 miles			16,489 55

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage bonds, June, 1864	6%	June, 1884	London, England	$1,193,000 00
Bond exchangeable for stock within ten years from June 26, 1883.	5%		No interest paid.	691,141 46

RECAPITULATION.

Total debt liabilities	$1,786,141 46
Amount of debt liablities per mile of road, 59.37 miles	30,084 93
Total amount of stock and debt	2,765,126 13
Stock and debt per mile of road, 59.37 miles	46,574 46

GENERAL BALANCE SHEET.—Dr.

Construction account	$2,765,126 13
Operated by the Grand Trunk Railway, hence there are no current balances.	
Total	$2,765,126 13

GENERAL BALANCE SHEET.—Cr.

Capital stock $1,095,000.00; amount realized	$978,984 67	
Funded debt	1,786,141 46	
Total		$2,765,126 13

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$2,765,126 13
Average cost per mile of road (not including sidings), 59.37 miles	46,574 46
Proportion of cost for Michigan	46,574 46

Equipment furnished by the lessees.

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$95,610 44	
Through fares	61,416 15	
Total passenger fares	$157,026 59	
Express and baggage	10,948 44	
Mails	8,415 46	
Total passenger department earnings		$176,390 49
Per train mile	$0 87	
Per mile of road	2,971 04	

FREIGHT EARNINGS.

Main line and branches:]		
Local traffic	$63,989 17	
Through freight	45,042 59	
Total traffic	$109,031 76	
Total freight department earnings		$109,031 76
Per train mile	$1 10	
Per mile of road	1,836 48	
Total transportation earnings, entire line		$285,422 25
Transportation earning per mile of road	$4,807 52	
Transportation earnings per train mile	94	
Miscellaneous receipts from operating account, other than for transportation, as follows:		
From rents not otherwise provided for		2,227 52
Total		$287,699 77
Total earnings from operation of road		$287,699 77
Total earnings per mile of road	$4,845 88	
Total earnings per train mile	95	
Proportion of taxable earnings for Michigan		287,699 77
Total taxable earnings per mile of road in Michigan		4,845 88
Total income from all sources		$287,699 77
Proportion of income for Michigan		287,699 77

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$23,721 40
Renewals of rails	5,600 09
Renewals of ties	6,435 30
Repairs and renewals of bridges and culverts	3,514 06
Repairs and renewals of fences, road crossings, signs and cattle guards	2,729 83
Repairs and renewals of buildings and fixtures	3,995 22
Total	$45,995 90

MAINTENANCE OF EQUIPMENT.

Superintendence	$914 50
Repairs and renewals of locomotives	29,726 06
Repairs and renewals of passenger cars	24,623 60
Repairs and renewals of freight cars	19,094 56
Repairs and renewals of shop, machinery and tools	5,697 69
Total	$80,055 41

CONDUCTING TRANSPORTATION.

Engine and roundhouse men	$46,011 13
Fuel for locomotives	28,633 90
Water supply for locomotives	2,226 80
Oil, tallow and waste for locomotives	2,041 03
Train service	23,315 84
Train supplies and expenses	3,086 14
Switchmen, flagmen and watchmen	14,071 73
Telegraph expenses	4,871 40
Station service	19,505 14
Station supplies	4,323 55
Car mileage, balance	3,600 00
Loss and damage	649 84
Injuries to persons	168 01
Advertising	300 00
Outside agencies	2,000 00
Rents for tracks, yards and terminals	6,900 00
Stationery and printing	2,010 88
Other expenses	940 74
Total	$174,606 13

GENERAL EXPENSES.

Salaries of general officers	$500 00
Salaries of clerks and attendants	1,500 00
Insurance	2,372 45
Law expenses	1,500 00
Stationery and printing (general offices)	300 00
Taxes	8,237 46
Total	$14,409 91

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	14.60	$45,925 90
Maintenance of equipment	25.41	80,055 41
Conducting transportation	55.42	174,606 13
General expenses, including taxes	4.57	14,409 91
Total operating expenses and taxes	1.00	$315,067 35
Operating expenses and taxes per mile of road, 59.37 miles		5,306 85
Proportion of operating expenses and taxes for Michigan, main line		315,067 35
Total proportion of expenses for Michigan		$315,067 35
Percentage of expenses to earnings	$109 16	
Net loss per mile of road	460 91	
Net loss per train mile	09.060	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Detroit Junction to Fort Gratiot November, 1859.

MAIN LINE.

	Miles.
In Michigan, from Detroit Junction to Fort Gratiot	59.37
Total length completed	59.37
Total length of road belonging to this company in Michigan	59.37
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	26.08
Aggregate length of tracks in Michigan belonging to this company, computed as single track	85.45

Gauge of track, 4 feet 8½ inches.

Number of bridges and trestles in Michigan.

	Length.	Aggregate length, feet.
Iron	6	792
Total	6	792

Draw bridges in Michigan.

How many have you on your line?
One.

Where located, when built, and length of draw span:
Near Port Huron, built in 1859; length of swing 123 feet.

Character of structure:
Swing draw.

Material of which constructed:
Iron and stone.

Height above water, and depth of water under bridge:
Height 14 feet; depth 12 feet.

How swung, by engine or hand power?
Hand power.

Approaches straight or curved?
Straight.

Do you require all trains to come to a full stop before crossing a draw, and how are they signalled?
Yes. By semaphore.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Detroit & Bay City R. R. at Detroit.
Detroit, Grand Haven & Milwaukee R. R. at Detroit.
Belt Line R. R. at Detroit.
Port Huron & South Western R. R. at Port Huron.
Chicago & Grand Trunk R. R. near Port Huron.
Flint & Pere Marquette R. R. near Port Huron.
Port Huron & Northwestern R. R. at Port Huron.

At what crossings are interlocking and derailing switches in operation?
Woodward Avenue & Belt Line Railway at Detroit.

Chicago & Grand Trunk Railway Junction near Port Huron.
What pattern or patterns have you adopted?
Union Switch & Signal Co.

Number of crossings of highways at grade in this State	91
Number of crossings of highways at grade at which there are gates or flagmen	27

Have safety guards been erected at overhead obstructions?
No such obstructions.
Are your frogs and guard rails blocked as required by act 174, session laws of 1883?
Yes.
How are they treated?
Filled with wood planking.

Stations.

Number of stations on whole line (all in Michigan)	12

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan)	384
Classify your employés as per following list:	Number.
Baggagemen	9
Brakemen	21
Conductors	14
Engineers	26
Firemen	26
Laborers	49
Shopmen	1
Yardmen	39
Others	149

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	123.74
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed	None.

Road bed and track.

Number of track sections in Michigan	12
Average length of sections, miles	5
Average number of men in each section gang	4
Number of new ties put in whole line during the year	19,987
Number of new ties put in track in Michigan	338
New rails put in track:	
Steel (tons 593¾) miles	5.57

ROLLING STOCK.

The company does not own any rolling stock. The stock used in working the line belongs to the Grand Trunk Railway Company of Canada.

Number of locomotives equipped with power brakes. All.
Number of passenger train cars equipped with power brakes. All.

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse automatic.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Janney automatic.

How are your passenger cars heated?
Baker heater and steam heat.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	193,779
Miles run by freight trains during the year	70,730
Miles run by mixed trains	37,549
Total mileage of trains earning revenue	302,058

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	45,849		
Number of local passengers caaried, earning revenue	282,190		
Total number of passengers carried, earning revenue	328,039		
Number of passengers carried one mile	6,270,601		
Average distance carried		19.12	
Average amount received from each passenger			$0 43.868
Average receipts per mile for through passengers			02.250
Average receipts per mile for local passengers			02.700
Average receipts per passenger per mile for all passengers			02.504

Estimated cost of carrying each passenger one mile ..... Cannot state.

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate
Number of tons of through freight carried, earning revenue	100,226		
Number of tons of local freight carried, earning revenue	283,164		
Total tons of freight carried earning revenue	383,390		
Total mileage of through freight		5,712,504	
Total mileage of local freight		6,153,010	
Total freight mileage or tons carried one mile		11,865,514	
Average ton haul for through freight		57	
Average ton haul for local freight		21.81	
Average ton haul for all freight		31.08	
Average amount received for each ton haul			$0 28.513
Average receipts ton per mile, for through freight			.738
Average receipts ton per mile for local freight			01.024
Average receipts ton per mile, for all freight			.919
Estimated cost of carrying one ton one mile			Cannot state.

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	52,693	3,274	55,967	14 64
Flour	16,681	233	16,914	4.42
Other mill products	1,731	36	1,767	.46
Hay	18,061	3,851	21,912	5.73
Tobacco	235	68	303	.08
Cotton	1,468	19	1,487	.39
Fruit and vegetables / Potatoes	1,862	737	2,599	.67
Products of animals:				
Live stock	19,397	562	19,959	5.22
Dressed meats	139	477	616	.16
Other packing house products	2,433	230	2,663	.70
Poultry, game and fish	67	151	218	.06
Wool	247	3	250	.07
Hides and leather	1,213	512	1,725	.45
Products of mines:				
Anthracite coal	14,993	20,773	35,766	9.35
Bituminous coal	----------	5,001	5,001	1.31
Coke	365	118	483	.13
Ores	235	----------	235	.06
Stone, sand and other like articles	1,561	2,225	3,786	.99
Products of forest:				
Lumber / Logs / Shingles	58,281	5,277	63,558	16.63
Manufactures:				
Petroleum and other oils	2,094	1,205	3,299	.86
Sugar	265	2,261	2,526	.66
Naval stores	1,397	273	1,670	.44
Iron, pig and bloom	648	129	777	.20
Iron and steel rails	969	3,989	4,958	1.30
Other castings and machinery	2,310	1,185	3,495	.91
Bar and sheet metal	549	304	853	.22
Cement, brick and lime	1,414	882	2,296	.60
Agricultural implements	1,155	288	1,443	.38
Wagons, carriages, tools, etc.	109	67	176	.05
Wines, liquors and beers	1,852	141	1,993	.52
Household goods and furniture	1,009	740	1,749	.46
Merchandise	19,221	28,285	47,506	12.42
Miscellaneous:				
Other commodities not mentioned above	21,764	52,676	74,440	19.47
Total tonnage	246,418	135,972	382,390	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freight at the depot, or at the office of such express companies?
The railway company does its own express business.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?
59.37 miles; Western Union Telegraph Company.

Fast freight lines.

To what fast freight lines, or other transportation companies running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid?

Name of company.	General office.	Amount paid.
Armour Car Lines	Chicago	$39 07
Anglo American Refrigerator Car Co.	Chicago	1 66
Arms Palace Horse Car Co.	Chicago	48
American Refrigerator Transit Co	St. Louis, Mo.	12 21
Burton Stock Car Co.	Chicago & Boston	3 32
Boyd, Lunham & Co.	Chicago	18 02
Chicago Car and Coal Co.	Chicago	2 21
Continental Fruit Express	Chicago	1 98
Chicago Refrigerator Car Co.	Chicago	9 96
Cudahy Refrigerator line	S. Omaha, Neb.	42
Cudahy Milwaukee Refrigerator Line	Milwaukee, Wis.	84
Canda Cattle Car Co.	Chicago, Ill.	12 16
Cincinnati Abbatoir Co.	Cincinnati, Ohio	76
Central Equipment Co.	Terre Haute, Ind.	84
Chicago, New York & Boston Refrigerator Line	Boston, Mass.	97 78
Cottolene Refrigerator Line	Chicago, Ill.	42
Century Oil Co.	Lima, O.	64
Cutler & Sobedge L. Co.	Spring Lake, Mich.	1 06
Eureka Transportation Co.	Indianapolis, Ind.	18 20
J. E. Butler Furniture Line	Atlanta, Ga.	8 02
Hammond Refrigerator Line	Hammond, Ind.	24 08
Healey Refrigerator Line	Chicago, Ill.	14 26
Kansas City Dressed Beef Line	Kansas City, Mo.	15 96
Lipton Refrigerator Line	Chicago, Ill.	44 10
Libby, McNeil & Libby Refrigerator Line	Chicago	42
Live Poultry Transportation Co.	Chicago	12 00
Kansas City Refrigerator Car Co.	Kansas City, Mo.	44 52
Keystone Palace Horse Car Co.	Chicago, Ill.	42
Kingan Refrigerator Line	Indianapolis, Ind.	23 86
Morrell Refrigerator Line	Ottumwa, Iowa	7 56
Merchants' Despatch Transportation Co.	New York, N. Y.	86 70
Morris & Co.	Chicago, Ill.	4 62
Mather Stock Car Co.	Chicago	2 00
Moran Refrigerator Line	Chicago	80
New England Car Co.	Boston, Mass.	2 65
National Car Co.	St. Albans, Vt.	857 27
Chicago, Boston & Liverpool	St. Albans, Vt.	54 54
National Linseed Oil Co.	Chicago, Ill.	1 92
Provision Dealers Despatch	Chicago, Ill.	38
Peavey Grain Line	Minneapolis, Minn.	1 29
Producers' Oil Co.	Cleveland, Ohio	27
Rend Transportation Co.	Chicago, Ill.	1 06
South W. Millers' Despatch	Kansas City, Mo.	42
Street's W. Stable Car Line	Chicago, Ill.	4 96
Swift's Refrigerator Car Line	Chicago, Ill.	11 18
St. Charles Car Co.	St. Louis, Mo.	4 62
San Oil Co.	Toledo, Ohio	3 22
St. Louis Refrigerator Car Co.	St. Louis, Mo.	2 42
S. Western Refrigerator Despatch	Kansas City, Mo.	84
Union Tank Line	New York, N. Y.	115 17
Union Refrigerator Transit Co.	St. Louis, Mo.	24 12
Western Rolling Stock and Equipment Co.	Chicago, Ill.	11 56
W. L. Milton, Tank Line	New York, N. Y.	5 16
J. Morran, Tank Line	Stock Yards, Buchanan Co., Mo	1 26

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

January 26, H. Liebhart, passenger, New Haven. Fell from train; accidental.
February 14, Jos. Chulinski, trespasser, Detroit. Stealing a ride; his carelessness.
February 19, Mary Stankewitz, trespasser, West Detroit. Run over; suicide.
June 5, Zennia Mitchell, citizen, Smith's Creek. Highway collision; no inquest.
June 6, John Weise, trespasser, New Haven. Run over; intoxicated; his carelessness.
November 16, Jos. Karaklnr, citizen, Detroit. Run over; his carelessness.
December 6, August Laboun, citizen, Detroit. Highway collision; company exonerated.

INJURED.

September 11, M. A. Needham, brakeman, Port Huron. Caught between car and engine while switching; lack of caution.
November 18, Monnie Bohrback (14 year old girl), Fraser. Highway crossing; her carelessness.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers	Employés.	Others.	Passengers.	Employés.	Others.
Falling from trains	1					
Highway crossings			3			1
Miscellaneous					1	
Trespassers on trains			1			
Trespassers on tracks			2			
Total	1		6		1	1

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	7
Number of persons injured during the year	2
Number resulting from lack of caution, carelessness or misconduct	9
Persons killed or injured while intoxicated	1
Trespassers and tramps killed or injured	3
Suicides	1

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

William J. Spicer, general manager, and James H. Muir; accountant, of the Chicago, Detroit and Canada Grand Trunk Junction Railway Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the conditions and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed W. J. SPICER, *General Manager.*
JAS. H. MUIR, *Accountant.*

Subscribed and sworn to before me this 30th day of March, A. D. 1896.
[L. S.]
LAWRENCE F. LANG,
Notary Public in and for Wayne Co., Mich.

ANNUAL REPORT

OF THE

CHICAGO & GRAND TRUNK RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed April 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, CHARLES M. HAYS, Montreal, Province of Quebec.
Vice President, WILLIAM J. SPICER, Detroit, Mich.
Secretary, and Assistant to the President, CHARLES PERCY, Montreal, Province of Quebec.
Treasurer, JAMES H. MUIR, Detroit, Mich.
General Manager, WILLIAM J. SPICER, Detroit, Mich.
Superintendent, A. B. ATWATER, Detroit, Mich.
Assistant Superintendent, A. R. McINTYRE, Battle Creek, Mich.
Mechanical Superintendent, HERBERT ROBERTS, Detroit, Mich.
Chief Engineer, GEORGE MASSON, Detroit, Mich.
General Passenger and Ticket Agent, W. E. DAVIS, Chicago, Ill.
General Freight Agent, DAVID BROWN, Chicago, Ill.
Solicitor, E. W. MEDDAUGH, Detroit, Mich.
General Storekeeper, JNO. S. LORIMER, Detroit, Mich.

DIRECTORS.

CHARLES M. HAYS, Montreal, Province of Quebec.
WILLIAM J. SPICER, Detroit, Mich.
E. W. MEDDAUGH, Detroit, Mich.
W. C. BEARDSLEY, Auburn, N. Y.
F. A. HOWE, Chicago, Ill.
DE F. SKINNER, Valparaiso, Ind.
Terms expire April, 8, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed; January 7, 1890.

Number of stockholders at date of last election: 262.

Number of stockholders in Michigan at same date: 19.

Amount of full paid stock held in Michigan at same date: $173,900.

Date of annual meeting of stockholders: Second Wednesday in April.

Fiscal year of company ends: December 31.

General offices of the company are located at Detroit, Mich. and Chicago, Ill.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$3,005,458 04
Total expenses, including taxes	$2,837,685 38	
Net income		$167,772 66

Interest on funded debt	$660,000 00	
Interest on unfunded debt	77,868 48	
Rentals of leased line	11,010 90	
Rentals of engines and cars	122,292 57	
		$871,171 95
Balance for the year	$703,399 29	
Balance (loss) last year	212,839 18	
Items not included in above as follows:		
Advances to the T., S. & M. R'y Co. and the C., S. & M. R. R. Co. in terms of traffic agreement	68,401 68	
Advanced by the Grand Trunk R'y Co. of Canada in terms of traffic agreements		$660,000 00
Deficiency carried forward to next year		324,640 15
	$984,640 15	984,640 15

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$6,600,000 00
Par value of shares		$100 00	
Number of shares issued	66,000		
Amount paid in on common		$6,600,000 00	
Total amount paid in, as per books of the company			$6,600,000 00
Paid in per mile of road owned by company, 326.50 miles			$20,214 40

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage bonds, 1880	6%	January 1, 1900	London, England and New York	$6,000,000 00
Second mortgage bonds, 1882	5%	January 1, 1922	New York, N. Y.	6,000,000 00
Total unfunded debt				$12,000,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated.	Amount.
For construction For equipment For real estate For renewals For miscellaneous For current balances	Payable in cash	$5,076,063 67

RECAPITULATION.

Total funded debt	$12,000,000 00
Total unfunded debt	5,076,063 67
Total debt liabilities	$17,076,063 67
Amount of debt liabilities per mile of road, 326.50 miles	52,300 35
Total amount of stock and debt	23,676,063 67
Stock and debt per mile of road, 326.50 miles	72,514 74

GENERAL BALANCE SHEET—Dr.

Construction and equipment accounts		$19,501,706 46
Cash items:		
Cash	$154,469 42	
Due from agents	89,514 53	
		243,983 95
Other assets:		
Materials and supplies	$563,357 76	
Debit balances from companies and individuals	843,055 10	
		1,405,412 86
Grand Trunk R'y Co. for interest coupons pledged as security for advances under traffic agreements	$2,017,085 05	
T., S. & M. R'y Co. for advances under traffic agreement	89,715 70	
C., S. & M. R. R. Co for advances under traffic agreement	93,519 50	
		2,200,320 25
Deficiency carried forward to next year		324,640 15
Total		$23,676,063 67

GENERAL BALANCE SHEET—Cr.

Capital stock	$6,600,000 00	
Funded debt	12,000,000 00	
		$18,600,000 00
Unfunded debt:		
Interest unpaid	$323,324 29	
Notes payable	63,419 93	
Vouchers and accounts	2,424,549 78	
Other liabilities (list as follows):		
Salaries and wages (*paid January, 1896*)	164,549 42	
Grand Trunk R'y Co. for advances under traffic agreements	2,017,035 05	
T., S. M. R'y Co. interest coupons held for advances under traffic agreement	89,715 70	
C., S. & M. R. R. interest coupons held for advances under traffic agreement	93,519 50	
		5,076,063 67
Total		$23,676,063 67

COST OF ROAD AND EQUIPMENT.

Purchased by present company.

When purchased: January 7, 1880.

Original cost to present company of road and equipment	$13,889,800 78
Amount expended since purchase, account of construction	5,047,266 34
Amount expended since purchase, account of equipment	1,564,639 34
Total cost to date of report	19,501,706 46
Average cost per mile of road (not including sidings) 326.50 miles	59,729 58
Proportion of cost for Michigan	13,379,424 95

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Grading, ballasting and ditching	$27,737 03
Difference in weight, heavier rails laid	12,251 00
Cast iron pipe for waterways	3,506 95
Bridging (iron for wood)	3 923 40
Lands and sewer assessments	365 70
Total charges	$47,884 08
Total charges to property account as above	47,884 08
Net addition to property account	47,884 08

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$326,163 20	
Through fares	265,204 41	
Total passenger fares	$591,365 61	
Express and baggage	32,685 25	
Mails	40,276 18	
Total passenger department earnings		$664,327 04
Per train mile	$0 91	
Per mile of road	2,787 17	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$481,357 51	
Through traffic	832,458 26	
Total traffic	$1,313,815 78	
Total freight department earnings		$1,313,815 78
Per train mile	$1 08	
Per mile of road	5,865 25	

ANALYSIS OF EARNINGS.—ENTIRE LINES

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$465,810 59	
Through fares	397,806 62	
Total passenger fares	$863,617 21	
Express and baggage	$48,869 83	
Mails	60,283 01	
Other sources	22,656 20	
Total passenger department earnings		$995,426 25
Per train mile	$0 88	
Per mile of road	$3,969 08	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$759,275 41	
Through traffic	1,248,687 39	
Total traffic	$2,007,962 80	
Total freight department earnings		2,007,962 80
Per train mile	$1 10	
Per mile of road	5,989 09	
Total transportation earnings, entire lines		$3,003,389 05
Transportation earnings per mile of road	$8,958 12	
Transportation earnings per train mile	1 02	
Miscellaneous receipts from operating account, other than for transportation as follows:		
From other sources		2,068 99
Total earnings from operation of road		$3,005,458 04
Total earnings per mile of road	$8,964 39	
Total earnings per train mile	1 02	
Proportion of taxable earnings for Michigan	1,939,525 15	
Total taxable earnings per mile of road in Michigan	8,658 59	
Total income from all sources		3,005,458 04
Proportion of income for Michigan		1,939,525 15

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$183,928 81
Renewals of rails	82,237 68
Renewals of ties	41,118 00
Repairs and renewals of bridges and culverts	25,793 12
Repairs and renewals of fences, road crossings, signs and cattle guards	11,545 37
Repairs and renewals of buildings and fixtures	23,840 17
Stationery and printing	240 50
Other expenses	892 00
Total	$368,589 60

MAINTENANCE OF EQUIPMENT.

Superintendence	$5,923 37
Repairs and renewals of locomotives	207,706 54
Repairs and renewals of passenger cars	101,749 20
Repairs and renewals of freight cars	117,382 67
Repairs and renewals of shop machinery and tools	25,546 94
Stationery and printing	820 50
Other expenses	15,813 70
Total	$474,942 93

CONDUCTING TRANSPORTATION.

Superintendence	$13,440 00
Engine and roundhouse men	273,005 74
Fuel for locomotives	297,732 79
Water supply for locomotives	13,703 81
Oil, tallow and waste for locomotives	11,958 40
Other supplies for locomotives	12,300 50
Train service	198,750 25
Train supplies and expenses	14,350 17
Switchmen, flagmen and watchmen	95,001 50
Telegraph expenses	69,051 20
Station service	163,102 49
Station supplies	19,241 12
Switching charges—balance	35,180 49
Car mileage—balance	224,209 02
Loss and damage	38,900 30
Injuries to persons	57,032 47
Clearing wrecks	195 00
Advertising	8,379 27
Outside agencies	80,029 61
Commissions	37,392 42
Stock yards and elevators	12,820 50
Rent of buildings and other property	4,396 53
Stationery and printing	16,558 54
Other expenses	10,495 80
Total	$1,782,166 92

GENERAL EXPENSES.

Salaries of general officers	$24,728 50
Salaries of clerks and attendants	32,907 18
General office expenses and supplies	8,252 38
Insurance	14,788 07
Law expenses	11,915 22
Stationery and printing, general offices	1,048 03
Other expenses	541 27
Taxes	172,805 28
Total	$261,985 93

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	13.99	$368,589 60
Maintenance of equipment	16.74	474,942 93
Conducting transportation	61.04	1,782,166 92
General expenses, including taxes	9.23	261,985 93
Total operating expenses and taxes	100.00	$2,837,685 38

Operating expenses and taxes per mile of road		$8,463 88
Operating expenses and taxes per train mile run, for trains earning revenue, 2,949,001 miles	.96	
Proportion of operating expenses and taxes for Michigan		1,835,877 28
Total proportion of expenses for Michigan		1,835,877 28
Percentage of expenses to earnings	94.42	
Net earnings per mile of road		500 41
Net earnings per train mile		57

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:

From Port Huron, Mich., to Chicago, Ill., Febuary 1, 1880.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Port Huron, Mich., to Michigan and Indiana State line	224	
In Indiana, from Michigan and Indiana State line to Indiana and Illinois State line	80.62	
In Illinois, from Indiana and Illinois State line to Elsdon, Ill	21.82	
Total length completed		326.50
Length of double track on main line	20.11	
Total length of road balonging to this company		326.50
Total length of road belonging to this company in Michigan		224
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated		63.50
Aggregate length of tracks in Michigan belonging to this company, computed as single track		287.50

Gauge of track, 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

Name and description:
Grand Trunk Junction Railway.
Chicago & Western Indiana Railroad (C. & G. T. trains are run over this road).

Date road commenced to be built:
Grand Trunk Junction Railway. April, 1881.
Chicago & Western Indiana Railroad. Cannot tell.

Date road completed:
Grand Trunk Junction Railway. August 27, 1881.
Chicago & Western Indiana Railroad. Cannot tell.

Date road commenced to be operated:
Grand Trunk Junction Railway. August 27, 1881.
Chicago & Western Indiana Railroad. Cannot tell.

Where built, from and to:
Grand Trunk Junction Railway from Elsdon, Ill., to the Chicago & Western Indiana Railroad Junction.
Chicago & Western Indiana Railroad from Indiana State Line to Polk Street Depot, Chicago.

Exact number of miles:	Total miles.	In Michigan.
Grand Trunk Junction Railway	3.90	
Chicago & Western Indiana Railroad—20 miles—of which there are used by the C. & G. T. R'y Co. between C. & W. I. R. R. Junction and Polk Street Depot, Chicago	4.87	
	8.77	
Total miles operated by the company	335.27	224

Chicago & Grand Trunk Railway south of parallel 44 of latitude.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Iron bridges	22	2,025
Wooden trestles	42	1,332
Total	64	3,357

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Flint & Pere Marquette R. R. at Tunnel Station, Port Huron.
Flint & Pere Marquette and Grand Trunk R'y at Grand Trunk Junction, near Port Huron.
Bay City Division of Michigan Central R. R. at Lapeer.
Flint & Pere Marquette R. R. at Flint.
Detroit, Grand Haven & Milwaukee R'y at Durand.
Cincinnati, Saginaw & Mackinaw R. R. at Durand.
Detroit, Lansing & Northern R. R. at Trowbridge.
Michigan Central R. R. at Lansing, Charlotte, Battle Creek and Cassopolis.
Ann Arbor R. R. at Durand.
Lake Shore & Michigan Southern R'y at Lansing and Schoolcraft.
Cincinnati, Jackson & Mackinaw R. R. at Battle Creek.
Grand Rapids & Indiana R. R. at Vicksburg.

What railroads cross your road either over or under your grade in this State, and where?
Under:
Pontiac, Oxford & Northern R. R. near Imlay City.

At what crossings are interlocking and derailing switches in operation?
Grand Trunk Junction, Lapeer, Trowbridge, Lansing, Nichols, Schoolcraft and Cassopolis.

What pattern or patterns have you adopted?
Union Switch and Signal Company's.

Number of crossings of highways at grade in this State	263
Number of crossings of highways at grade in this State at which there are gates or flagmen.	17
Number of crossings at which there are electric or automatic signals	12

What pattern or patterns in use?
2 O'Neil, 1 American Signal Co. highway crossing alarm, and 9 push button electric skeleton bells, worked by flagmen or operators.

Numbers of crossings of highways over or under railroad: over, 2; under, 2	4
Number of highways and bridges 18 feet above track	2

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Hart's patent blocking and plank.

Stations.

Number of stations on whole lines	74
Same in Michigan	46

Employés.

Number of persons regularly employed on all roads operated by company, including officials	2,933
Same in Michigan	1,960

Classify your employés as per following list:	Number.
Baggagemen	23
Brakemen	202
Conductors	98
Engineers	134
Firemen	126
Laborers	723
Shopmen	704
Yardmen	95
Others	828

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	456

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed: None.

Road bed and track.

Number of track sections in Michigan	45
Average lengths of sections, miles	5
Average number of men in each section gang	5
Number of new ties put in whole line during the year	130,801
Number of new ties put in track in Michigan	91,629
Average number of new ties per mile of road	416
New rails put in track:	
Steel, tons, 5,180, miles	49
Total miles of track laid with new rails	49

Bridges and culverts.

Amount of trestle work replaced with earth during the year, linear feet	184

Timber culverts replaced during the year:	Number.
With iron pipe	39
With timber	13

New bridges built during the year—number	1

Location.	Kind.	Material.	Month built.	Feet in length.
Battle Creek, Upton avenue	2 deck spans, 34 ft. each, and 1 through span 53 ft.	Iron	December	121

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	108	$864,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	23	115,000 00
Total	131	$979,000 00
Number of passenger cars—12-wheel, including official cars	12	$50,000 00
Number of passenger cars, 8-wheel, including official cars	18	66,600 00
Number of express and baggage cars	17	31,400 00
Number of box freight cars	148	55,500 00
Number of stock cars	15	6,000 00
Number of platform cars	145	36,250 00
Number of conductors' way cars	68	37,800 00
Other cars	10	15,500 00
Total	423	$299,050 00
Number of locomotives equipped with power brakes		131
Number of passenger train cars equipped with power brakes		47

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse air brake and Eames Vacuum brake.

Westinghouse air brake, locomotives	105
Eames vacuum brake	26
Total	131

30 cars and 17 mail and baggage, Westinghouse air brake.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Janney.

How are your passenger cars heated?
Baker heater (hot water), and steam heat.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	1,108,891	674,613
Miles run by freight trains during the year	1,618,697	1,079,132
Miles run by mixed trains	221,413	147,609
Total mileage of trains earning revenue	2,949,001	1,901,354

Passenger traffic.—Entire lines.

	Number.	Miles.	Rate.
Number of through passengers carried, earning revenue	86,484		
Number of local passengers carried, earning revenue	1,227,544		
Total number of passengers carried, earning revenue	1,314,028		
Number of passengers carried one mile	55,328,900		
Average distance carried		42.1	
Average amount received from each passenger			$0 65.72
Average receipts per mile for through passengers			01.37
Average receipts per mile for local passengers			01.77
Average receipts per passenger per mile for all passengers			01.56
Estimated cost of carrying each passenger one mile			01.47

Passenger traffic.—In State of Michigan.

	Number.	Miles.	Rate.
Number of through passengers carried, earning revenue	86,484		
Number of local passengers carried, earning revenue	288,798		
Total number of passengers carried, earning revenue	375,282		
Number of passengers carried one mile	37,257,491		
Average distance carried		99.3	
Average amount received from each passenger			$1 46.92
Average receipts per mile for through passengers			01.37
Average receipts per mile for local passengers			01.60
Average receipts per passenger per mile for all passengers			01.48

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	941,819		
Number of tons of local freight carried, earning revenue	608,383		
Total tons of freight carried, earning revenue	1,550,202		
Total mileage of through freight		310,068,259	
Total mileage of local freight		79,542,698	
Total freight mileage or tons carried one mile		389,610,957	
Average ton haul for through freight		329.2	
Average ton haul for local freight		130.7	
Average ton haul for all freight		251.3	
Average amount received for each ton haul			$1 29.53
Average receipts ton per mile, for through freight			00.40
Average ton receipts per mile, for local freight			00.95
Average receipts ton per mile, for all freight			00.52
Estimated cost of carrying one ton one mile			00.50

Freight traffic.—In State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	941,819		
Number of tons of local freight carried, earning revenue	405,588		
Total tons of freight carried, earning revenue	1,347,407		
Total mileage of through freight		206,712,173	
Total mileage of local freight		53,028,466	
Total freight mileage or tons carried one mile		259,740,639	
Average ton haul for through freight		219.5	
Average ton haul for local freight		130.7	
Average ton haul for all freight		192.8	
Average amount received for each ton haul			$0 97.51
Average receipts ton per mile, for through freight			00.40
Average receipts ton per mile, for local freight			00.91
Average receipts ton per mile, for all freight			00.51

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	30,922	298,700	329,622	21.26
Flour	12,406	17,850	30,256	1.95
Other mill products	9,795	11,575	21,370	1.38
Hay	26,508	8,273	34,781	2.24
Tobacco	311	816	1,127	.07
Cotton	234	5,128	5,362	.35
Fruit and vegetables	11,901	26,598	38,499	2.48
Potatoes	1,321	2,955	4,276	.28
Products of animals:				
Live stock	207,506	21,052	228,558	14.74
Dressed meats	37,777	13,023	50,800	3.28
Other packing house products	1,347	30,805	32,152	2.07
Poultry, game and fish	581	5,350	5,931	.38
Wool	671	3,212	3,883	.25
Hides and leather	1,390	11,246	12,636	.82
Products of mines:				
Anthracite coal	1,898	87,734	89,632	5.78
Bituminous coal	272	35,142	35,414	2.28
Coke	----------	1,859	1,859	.12
Ores	14	1,215	1,229	.08
Stone, sand, and other like articles	311	29,593	29,904	1.93
Salt	40	40,418	40,458	2.61
Products of forest:				
Lumber	13,184	72,735	85,919	5.54
Logs	1,758	1,267	3,025	.20
Shingles	1,464	8,081	9,545	.62
Manufactures:				
Petroleum and other oils	1,583	4,669	6,252	.40
Sugar	107	5,131	5,238	.34
Naval stores	----------	77	77	.01
Iron, pig and bloom	1,335	12,146	13,481	.87
Iron and steel rails	374	7,485	7,859	.51
Other castings and machinery	7,822	6,035	13,857	.89
Bar and sheet metal	365	1,488	1,853	.12
Cement, brick and lime	1,792	6,124	7,816	.50
Agricultural implements	4,904	3,854	8,758	.56
Wagons, carriages, tools, etc.	8,794	2,457	11,251	.73
Wines, liquors and beers	375	5,982	6,357	.41
Household goods and furniture	3,433	2,413	5,846	.38
Merchandise	35,905	86,049	121,954	7.87
Miscellaneous:				
Other commodities not mentioned above	99,729	143,636	243,365	15.70
Total tonnage	528,019	1,022,183	1,550,202	100.00

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	27,212	268,830	296,042	21.97
Flour	11,166	16,065	27,231	2.02
Other mill products	8,816	10,418	19,234	1.43
Hay	22,533	7,446	29,979	2.22
Tobacco	280	735	1,015	.08
Cotton	202	4,625	4,827	.36
Fruit and vegetables	10,711	23,939	34,650	2.57
Potatoes	1,189	2,660	3,849	.28
Products of animals:				
Live stock	205,431	20,842	226,273	16.79
Dressed meats	37,777	13,023	50,800	3.77
Other packing house products	1,347	30,805	32,152	2.39
Poultry, game and fish	523	4,815	5,338	.40
Wool	604	2,891	3,495	.26
Hides and leather	1,251	9,560	10,811	.80
Products of mines:				
Anthracite coal	1,709	78,961	80,670	5.99
Bituminous coal	245	31,628	31,873	2.37
Coke		1,674	1,674	.12
Ores	14	1,094	1,108	.08
Stone, sand, and other like articles	280	26,634	26,914	2.00
Salt	29	32,328	32,357	2.40
Products of forest:				
Lumber	11,866	65,461	77,327	5.74
Logs	1,583	1,141	2,724	.20
Shingles	1,318	7,273	8,591	.64
Manufactures:				
Petroleum and other oils	1,425	3,970	5,395	.40
Sugar	96	4,362	4,458	.33
Naval stores		77	77	.01
Iron, pig and bloom	1,202	10,932	12,134	.90
Iron and steel rails	337	6,737	7,074	.52
Other castings and machinery	7,040	5,431	12,471	.93
Bar and sheet metal	329	1,339	1,668	.12
Cement, brick and lime	1,523	5,512	7,035	.52
Agricultural implements	4,414	3,469	7,883	.59
Wagons, carriages, tools, etc.	7,915	2,212	10,127	.75
Wines, liquors and beers	337	5,394	5,731	.43
Household goods and furniture	3,090	2,172	5,262	.39
Merchandise	30,520	73,144	103,664	7.69
Miscellaneous:				
Other commodities not mentioned above	37,135	118,349	155,484	11.54
Total tonnage	441,449	905,958	1,347,407	100.00

ADDITIONAL QUESTIONS.

Express Companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

National Express Company pays $50 per day for local business, averaging 7,000 lbs. per day; also $70.48 per day for through business, averaging 14,000 lbs. per day. Annual payment for through and local business to be not less than $40,000. Freight taken at trains.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

Cannot state. Western Union Telegraph Company.

TRANSPORTATION COMPANIES.

Sleeping, drawing-room and palace car companies.

What sleeping, drawing-room, chair or other palace passenger cars, not the exclusive property of your own or some other railroad company, have, during the year, been in use on your road in the State of Michigan, and on what terms? If rented by you, or allowed mileage between local points in this State, what was the amount paid for the use of such cars during the period under report?

Name of company.	General office.	Amount paid.
Pullman's Palace Car Co.	Chicago, Ill.	$19,460 06
Wagner Palace Car Co.	New York, N. Y.	110 31
Total		$19,570 37

TERMS.—Three cents per car per mile for Wagner cars and certain Pullman cars; other Pullman car the exteriors are kept in repair in lieu of mileage. Both of these companies get fares for berths and seats

Fast freight lines.

To what fast freight lines or other transportation companies, running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid?

Cannot state the amounts paid "while in use for traffic between local points in this State."

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

April 7, Wm. H. Allen, trespasser, Marcellus. Walking on track; lack of caution.
April 11, Thos. D. Smith, trespasser, Nichols. Lying on track; railroad not responsible.
June 30, Norman Bennett, trespasser, Edwardsburg. Walking on track; railroad not responsible.
July, 11. George Silver, farmer, trespasser, Crapo. Walking on track; his carelessness.
August 2, Henry Mellin, farmer, Imlay City. Highway collison; lack of caution.
August 23, Wm. Harper, tramp, Durand. Sleeping on track, intoxicated; railroad not responsible.
September 7, Albert Ellis, trespasser, Belsay. Walking on track; his carelessness.

INJURED.

February 21, T. McCarthy, brakeman, Imlay City. Pipe burst; accidental.
February 25, A. C. Langs, brakeman, Vicksburg. Rear end collision; lack of caution.
April 6, J. M. Ledyard, brakeman, Lansing. Coupling; lack of caution.
April 22, Claude Brodie, trespasser, Port Huron. Stealing ride; his carelessness.
May 6, L. L. Chubb, yard conductor, Battle Creek. Coupling; lack of caution.
July 5, J. F. Malloy, brakeman, Lansing. Slipped off engine; lack of caution.
July 6, J. P. Kilpatrick, brakeman, Nichols. Coupling; lack of caution.
August 14, W. L. Murdock, brakeman, Lapeer. Coupling; lack of caution.
October 26, P. Thom, brakeman, Imlay City. Fell off engine; lack of caution.
November 6, B. Golding, farmer, Capac. Highway collision; lack of caution.
December 15, O. Phelps, brakeman, Durand. Coupling; lack of caution.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Cause of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Collisions					1	
Coupling cars					5	
Getting on and off trains					2	
Highway crossings			1			1
Miscellaneous					1	
Trespassers on trains						1
Trespassers on tracks			6			
Total			7		9	2

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	7
Number of persons injured during the year	11
Number of casualities purely accidental	1
Number resulting from lack of caution, carelessness or misconduct	17
Persons killed or injured while intoxicated	1
Trespassers and tramps killed or injured	7

CLASSIFICATION OF EMPLOYÉS.

KILLED OR INJURED IN MICHIGAN.

	Killed.	Injured.	Total.
Brakemen		8	8
Yardmen		1	1
Total		9	9

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

William J. Spicer, general manager, and James H. Muir, treasurer, of the Chicago & Grand Trunk Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

W. J. SPICER, *General Manager.*
J. H. MUIR. *Treasurer.*

Subscribed and sworn to before me this 30th day of March, A. D. 1896.

[L. S.]

LAWRENCE F. LANG,
Notary Public in and for Wayne County, Mich.

ANNUAL REPORT

OF THE

CHICAGO, KALAMAZOO & SAGINAW RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed May 4, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, A. J. BOWNE, Grand Rapids.
Vice President, JAMES H. DEWING, Kalamazoo.
Secretary, Auditor and Treasurer, H. C. POTTER, Kalamazoo.
General Manager, J. H. DEWING, Kalamazoo.
General Superintendent, L. SERGEANT, Kalamazoo.
General Passenger and Freight Agent, H. C. POTTER.

DIRECTORS.

A. J. BOWNE, Grand Rapids.
JAMES H. DEWING, Kalamazoo.
JAMES MONROE, Kalamazoo.
O. M. ALLEN, Kalamazoo.
H. F. BADGER, Kalamazoo.
B. A. BUSH, Kalamazoo.
C. S. BURTON, Hastings.
Terms expire September 8, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: June 7, 1883; amended December 10, 1887.
Number of stockholders at date of last election: Ten.
Number of stockholders in Michigan at same date: All.
Amount of full paid stock held in Michigan at same date: $71,500.00 subscribed; 5% paid in.
Date of annual meeting of stockholders: Second Tuesday in September.
Fiscal year of company ends December 31.
General offices of the company are located at Kalamazoo, Mich.

REMARKS.

The Kalamazoo & Hastings Construction Company, Limited, under dates October 11, 1886, June 27, 1887, and April 24, 1889, entered into contracts with the corporation to build its road between Kalamazoo and Woodbury. Pending the fulfillment of these contracts the construction company have been and are operating the property on and for its own account, and the data herein contained is furnished by the said Construction Company, for the purpose of making report to the Commissioner of Railroads, as required by law.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$49,307 43
Total expenses, including taxes	$32,539 99	
Net income or deficit		$16,767 44
Balance for the year		$16,767 44
Paid to Kalamazoo & Hastings Construction Co., Limited		$16,767 44

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$2,000,000 00
Par value of shares	$100 00		
Amount paid in on shares not issued (number) 715		$3,575 00	
Total amount paid in, as per books of the company			3,575 00
Paid in per mile of road owned by company			25 00

GENERAL BALANCE SHEET.—Dr.

Cash items:	
Cash	$3,575 00

GENERAL BALANCE SHEET.—Cr.

Capital stock	$3,575 00

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$17,593 90	
Through fares	2,127 58	
Total passenger fares	$19,721 48	
Express and baggage	985 59	
Mails	1,906 20	
Other sources	284 31	
Total passenger department earnings		$22,897 58
Per train mile	$0 40.7	
Per mile of road	518 05	

FREIGHT EARNINGS.

Main line and branches:		
Total traffic	$26,127 19	
Other sources, freight department	282 66	
Total freight department earnings		26,409 85
Per train mile	$0 92.7	
Per mile of road	597 50.	
Total transportation earnings, entire line		$49,307 43
Transportation earnings per mile of road	$1,115 55	
Transportation earnings per train mile	58.1	
Total income from all sources		$49,307 43

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Total	$6,628 05

MAINTENANCE OF EQUIPMENT.

Total	$1,558 47

CONDUCTING TRANSPORTATION.

Fuel for locomotives	$4,590 76
Water supply for locomotives	88 30
Oil, tallow and waste for locomotives	249 54
Train service	6,366 18
Train supplies and expenses	93 43
Switchmen, flagmen and watchmen	629 12
Telegraph expenses	312 00
Station service	4,012 38
Station supplies	181 56
Switching charges—balance	569 73
Car mileage—balance	659 97
Loss and damage	23 65
Advertising	53 55
Stationery and printing	306 02
Other expenses	67 01
Total	$18,148 20

GENERAL EXPENSES.

Salaries of general officers	$3,300 00
Salaries of clerks and attendants	1,373 70
General office expenses and supplies	324 38
Insurance	106 05
Law expenses	15 00
Stationery and printing (general offices)	100 00
Taxes	986 14
Total	$6,205 27

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	20.4	$6,628 05
Maintenance of equipment	4.8	1,558 47
Conducting transportation	55.7	18,148 20
General expenses, including taxes	19.1	6,205 27
Total operating expenses and taxes		$32,539 99
Operating expenses and taxes per mile of road	$736 19	
Operating expenses and taxes per train mile run, for trains earning revenue, 84,735 miles	38.4	
Total proportion of expenses for Michigan		32,539 99
Percentage of expenses to earnings 66%.		
Net earnings per mile of road		379 85
Net earnings per train mile	19.7	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Kalamazoo to Woodbury, September 1, 1889.

MAIN LINE.

	Miles
In Michigan, from Kalamazoo to Woodbury	44.20
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	4
Aggregate length of tracks in Michigan belonging to this company computed as single track	48.20

Gauge of track 4 feet 8½ inches.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	38	1,430

Crossings.—Railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Cincinnati, Jackson & Mackinaw R. R. at Richland Junction.
Michigan Central R. R. at Hastings.
Lake Shore & Michigan Southern R. R. at Kalamazoo.

At what crossings are interlocking and derailing switches in operation?
All railroad crossings.

What pattern or patterns have you adopted?
Gavit Int. S. & S. Co.
Union S. & S. Co.

Number of crossings of highways at grade in this State	64
Number of crossings of highways at grade in this State at which there are gates or flagmen	1

Are your frogs and guard rails blocked as required by act 174, session laws of 1883?
Yes.

How are they treated?
Wood.

Stations.

Number of stations on whole lines (all in Michigan)	12

Employés.

Number of persons regularly employed on all roads operated by company, including officials, (all in Michigan)	51

Classify your employés as per following list:	Number.
Baggagemen	1
Brakemen	1
Conductors	2
Engineers	2
Firemen	2
Laborers	21
Yardmen	2
Others	20

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	87

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
None.

Road bed and track.

Number of track sections in Michigan	7
Average length of sections, miles	6½
Average number of men in each section gang	3
Number of new ties put in whole line during the year	5,000

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	4	$21,000 00
Total	4	$21,000 00
Number of passenger cars—8-wheel, including official cars	2	$4,000 00
Number of express and baggage cars	1	1,200 00
Number of box freight cars	2	900 00
Number of platform cars	10	2,000 00
Number of conductors' way cars	1	150 00
Other cars	15	350 00
Total	31	$8,600 00

Number of locomotives equipped with power brakes	4
Number of passenger train cars equipped with power brakes	3
Number of freight cars equipped with power brakes	1

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse.

MILEAGE TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	56,250
Miles run by mixed trains	28,485
Total mileage of trains earning revenue	84,735

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	3,579		
Number of local passengers carried, earning revenue	42,658		
Total number of passengers carried, earning revenue	46,237		
Number of passengers carried one mile	788,610		
Average distance carried		17.05	
Average amount received from each passenger			$0 42.6
Average receipts per mile for through passengers			02.4
Average receipts per mile for local passengers			02.5
Average receipts per passenger per mile for all passengers			02.5

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	36,810		
Number of tons of local freight carried, earning revenue	8,451		
Total tons of freight carried earning revenue	45,261		
Total mileage of through freight		617,727	
Total mileage of local freight		196,317	
Total freight mileage or tons carried one mile		814,044	
Average ton haul for through freight		16.2	
Average ton haul for local freight		23.2	
Average ton haul for all freight		18	
Average amount received for each ton haul			$0 58
Average receipts ton per mile, for through freight			03.1
Average receipts ton per mile, for local freight			04.8
Average receipts ton per mile, for all freight			03.2

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain			2,911	6.43
Flour, Other mill products, Hay, Fruit and vegetables, Potatoes			450	.99
			1,525	3.36
Products of animals:				
Live stock			1,316	2.91
Other packing house products			263	.58
Wool			27	.06
Products of mines:				
Anthracite coal, Bituminous coal			22,485	49.68
Salt			120	.26
Products of forest:				
Lumber, Logs, Shingles			6,463	14.28
Manufactures:				
Petroleum and other oils			144	.32
Iron, pig and bloom			587	1.30
Other castings and machinery			391	.86
Cement, brick and lime			1,754	3.88
Agricultural implements, Wagons, carriages, tools, etc.			1,460	3.23
Miscellaneous:				
Other commodities not mentioned above			5,365	11.86
Total tonnage			45,261	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?
American Express.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?
45 miles; owned by company; operated with telephones.

STATE OF MICHIGAN, }
COUNTY OF KALAMAZOO, } ss.

H. C. Potter, Secretary of the Chicago, Kalamazoo & Saginaw Railway Company, being duly sworn deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the conditions and affars of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. OF R. R.] Signed H. C. POTTER, *Secretary.*

Subscribed and sworn to before me this second day of May, A. D. 1896.

MARINUS SCHRIER,
Notary Public.

ANNUAL REPORT

OF THE

CHICAGO & KALAMAZOO TERMINAL RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed July 9, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, M. H. LANE, Kalamazoo, Michigan.
Vice President, H. P. PECK, Kalamazoo, Michigan.
Secretary, E. S. ROOS, Kalamazoo, Michigan.
Treasurer, F. B. LAY, Kalamazoo, Michigan.
General Manager, M. H. LANE, Kalamazoo, Michigan.
Chief Engineer, F. C. BALCH, Kalamazoo, Michigan.
Attorney, E. S. ROOS, Kalamazoo, Michigan.

DIRECTORS.

H. B. PECK, Kalamazoo, Michigan.
H. B. HOYT, Kalamazoo, Michigan.
H. P. KAUFFER, Kalamazoo, Michigan.
H. C. REED, Kalamazoo, Michigan.
E. J. PHELPS, Kalamazoo, Michigan.
L. U. GATES, Kalamazoo, Michigan.
F. B. LAY, Kalamazoo, Michigan.
M. H. LANE, Kalamazoo, Michigan.
E. S. ROOS, Kalamazoo, Michigan.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: June 27, 1895.
Number of stockholders at date of last election: 9.
Number of stockholders in Michigan at same date: 9.
General offices of the company are located at Kalamazoo, Michigan.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association		$100,000 00
Par value of shares	$100 00	
Total amount paid in, as per books of the company		4,000 00

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

For construction	$203 83

GENERAL BALANCE SHEET.—DR.

Construction account	$4,203 83

GENERAL BALANCE SHEET.—CR.

Capital stock, paid in	$4,000 00
Unfunded debt	208 83

COST OF ROAD AND EQUIPMENT.

Total expended for construction and equipment	$4,208 83

Proportion of cost for Michigan: All.

EARNINGS.—IN STATE OF MICHIGAN.

None.

Proportion of taxable earnings for Michigan:
None.

RECAPITULATION OF EXPENSES.

None.

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.
In Michigan	1.25

STATE OF MICHIGAN, } ss.
COUNTY OF KALAMAZOO, }

F. B. Lay, treasurer of the Chicago & Kalamazoo Terminal Railroad company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. OF R. R.] Signed,

F. B. LAY, *Treasurer.*

Subscribed and sworn to before me this 8th day of July, A. D. 1896.

W. F. COWLBECK,
Notary Public for Kalamazoo, Mich.

ANNUAL REPORT

OF THE

CHICAGO, MILWAUKEE & ST. PAUL RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed May 8, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, ROSWELL MILLER, Chicago.
Vice President, FRANK S. BOND, New York.
Secretary, P. M. MYERS, Milwaukee.
General Auditor, W. N. D. WINNE, Chicago.
Treasurer, F. G. RANNEY, Chicago.
Second Vice President and General Manager, A. J. EARLING, Chicago.
General Superintendent, W. G. COLLINS, Chicago.
Assistant General Superintendent in Michigan, W. J. UNDERWOOD, Milwaukee.
Division Superintendent in Michigan, R. R. MINTURN, Green Bay.
Chief Engineer, D. J. WHITTEMORE, Chicago.
Superintendent of Telegraph, U. J. FRY, Milwaukee.
General Passenger and Ticket Agent, G. H. HEAFFORD, Chicago.
General Freight Agent, J. H. HILAND, Chicago.
General Counsel, GEO. R. PECK, Chicago.

DIRECTORS.

PHILIP D. ARMOUR, Chicago.
AUGUST BELMONT, New York.
FRANK S. BOND, New York.
CHARLES H. COSTER, New York.
CHARLES D. DICKEY, JR., New York.
PETER GEDDES, New York.
FREDERICK LAYTON, Milwaukee.
JOSEPH MILBANK, New York.
ROSWELL MILLER, Chicago.
J. M. MCKINLAY, New York.
WM. ROCKEFELLER, New York.
SAMUEL SPENCER, New York.
A. VAN SANTVOORD, New York.
Terms expire September, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: May 5, 1863.
Number of stockholders at date of last election: 4,198.
Number of stockholders in Michigan at same date: 6.
Amount of full paid stock held in Michigan at same date: $36,200.00.
Date of annual meeting of stockholders: September.
Fiscal year of company ends: June 30.
General offices of the company are located at Chicago, Ill.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$30,608,000 70
Total expenses, including taxes	$17,747,852 46	
Net income		$12,860,148 24
Interest on funded debt	$7,629,033 65	
Balance applicable to dividends		$5,231,114 56
Dividends declared, 7 per cent, preferred	1,825,208 00	
Dividends declared, 2 per cent, common	920,545 22	
		2,745,753 22
Balance for the year		$2,485,361 34
Balance, profit and loss, last year		6,202,377 18
		$8,687,738 52
Items not included in above, as follows:		
Sinking funds	$697,270 00	
Other deductions	113,425 81	
	$810,695 81	
Less income from other sources	154,438 93	
		656,256 88
Balance forward to next year		$8,031,481 64

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association: Not fixed.			
Par value of shares		$100 00	
Number of shares issued	726,221 61		
Amount paid in on common		$46,027,261 00	
Amount paid in on preferred		26,594,900 00	
Total amount paid in, as per books of the company			$72,622,161 00
Paid in per mile of road owned by company, 6,168.73 miles			$11,773 63

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Description of bonds.	Time.		Amount outstanding.	Interest.			
	Date of issue.	When due.		Rate.	When payable.	Amount accrued during the year.*	Amount paid during the year.*
a Iowa & Minnesota division	1867	1897	$3,361,000 00	7 per cent.	Jan. and July.	$193,465 00	$196,945 00
Prairie du Chien " 1st mortgage	1868	1898	3,674,000 00	8 " "	Feb. and Aug.	293,920 00	294,320 00
a Prairie du Chien " 2d mortgage	1868	1898	1,140,000 00	7.3 " "	" " "	86,894 33	87,490 50
a Chicago & Milwaukee "	1873	1903	2,393,000 00	7 " "	Jan. and July.	167,510 00	167,615 00
ad St. Paul (or River) "	1872	1902	3,358,000 00	7 " "	" " "	235,340 00	234,815 00
ae St. Paul (or River) " Sterling	1872	1902	438,500 00	7 " "	" " "	30,975 00	31,062 50
a Iowa & Dakota "	1869	1899	465,000 00	7 " "	" " "	37,800 00	37,485 00
a Hastings & Dakota "	1872	1903	89,000 00	7 " "	" " "	6,230 00	6,230 00
b Consolidated mortgage	1874	1904	186,000 00	7 " "	" " "	13,020 00	13,020 00
a Consolidated mortgage	1875	1905	11,299,000 00	7 " "	" " "	790,930 00	792,240 00
d Terminal	1884	1914	4,748,000 00	5 " "	" " "	237,400 00	237,150 00
a Iowa & Dakota division extension	1878	1908	3,505,000 00	7 " "	" " "	245,350 00	244,300 00
Hastings & Dakota " "	1880	1910	5,680,000 00	7 " "	" " "	397,600 00	395,150 00
Hastings & Dakota " "	1880	1910	990,000 00	5 " "	" " "	49,500 00	49,475 00
Southwestern division	1879	1909	4,000,000 00	6 " "	" " "	240,000 00	239,340 00
La Crosse & Davenport division	1878	1919	2,500,000 00	5 " "	" " "	125,000 00	125,495 33
Chicago & Pacific "	1880	1910	3,000,000 00	6 " "	" " "	180,000 00	180,510 00
d Chicago & Pacific Western "	1881	1921	25,340,000 00	5 " "	" " "	1,267,000 00	1,269,925 00
Southern Minnesota "	1880	1910	7,432,000 00	6 " "	" " "	445,920 00	445,020 00
Mineral Point "	1880	1910	2,810,000 00	5 " "	" " "	142,000 00	142,125 00
Dubuque "	1880	1920	6,565,000 00	6 " "	" " "	393,360 00	393,270 00
Wisconsin Valley "	1880	1920	2,291,000 00	6 " "	" " "	134,820 00	145,590 00
d Wisconsin & Minnesota "	1881	1921	4,755,000 00	5 " "	" " "	237,750 00	236,575 00
d Chicago & Lake Superior "	1881	1921	1,360,000 00	5 " "	" " "	68,000 00	67,925 00
Chicago & Missouri River "	1886	1926	3,083,000 00	5 " "	" " "	154,150 00	153,925 00
d Dakota & Great Southern R'y	1886	1916	2,856,000 00	5 " "	" " "	142,800 00	143,100 00
d Fargo & Southern R'y	1883	1924	1,250,000 00	6 " "	" " "	75,000 00	75,000 00
Wisconsin Valley R. R.	1879	1909	1,106,500 00	7 " "	" " "	77,455 00	77,455 00
c Income sinking fund convertible	1886	1916	1,520,000 00	5 " "	" " "	75,500 00	75,575 00
d General mortgage	1889	1989	21,411,000 00	4 " "	" " "	716,207 74	710,507 74
Milwaukee & Northern R. R. 1st mortgage	1880	1910	2,155,000 00	6 " "	June and Dec.	129,300 00	128,490 00
Milwaukee and Northern Consolidated	1884	1903	5,092,000 00	6 " "	" " "	240,180 00	242,460 00
Interest on other bonds paid and canceled during the year							5,467 50
Total			$138,883,000 00			$7,629,377 07	$7,646,054 07

a Bonds thus designated are convertible into preferred stock at any time within ten days after a dividend becomes payable on said preferred stock.
b Bonds thus designated are convertible into preferred stock at any time within fifteen days after a dividend becomes payable on said preferred stock.
c Bonds thus designated are convertible into common stock at any time within sixty days after any dividend becomes payable on the stock of the company.
The authorized issue of these bonds is $5,000,000, of which but $2,000,000 have been sold.
d Bonds thus designated are payable, principal and interest, in gold, at the office of the company, in New York.
e Bonds thus designated are payable, principal and interest, in gold, in London.
* June 30, 1895.

UNFUNDED DEBT.

For miscellaneous	$6,391,876 23
(Current assets, $13,064,202.13; see general balance sheet Cr.)	

RECAPITULATION.

Total funded debt	$138,883,000 00
Total unfunded debt	6,391,876 23
Total debt liabilities	$145,274,876 23
Amount of debt liabilities per mile of road, 6,168.73 miles	23,550 21
Total amount of stock and debt	211,505,161 00
Stock and debt per mile of road, 6,168.73 miles	34,286 06

GENERAL BALANCE SHEET.—Dr.

Construction and equipment accounts		$211,333,702 41
Other investments, specifying same:		
Stocks owned	$716,443 92	
Bonds owned	206,850 00	
Real estate	13,270 70	
		936,564 62
Cash items:		
Cash	$4,884,374 29	
Bills receivable	2,200,000 00	
Due from agents	394,100 40	
Due from U. S. Government	303,900 92	
		7,782,375 71
Other assets:		
Materials and supplies	$1,778,727 84	
Sinking funds	761,540 00	
Debit balances from companies and individuals	1,001,516 42	
		3,541,784 26
Bonds in treasury	$3,514,000 00	
Stock in treasury	4,770 00	
		3,518,770 00
Total		$227,113,197 00

GENERAL BALANCE SHEET.—Cr.

Capital stock		$72,622,161 00
Funded debt		138,883,000 00
Sinking fund	$841,540 00	
Rolling stock replacement fund	343,138 13	
		1,184,678 13
Unfunded debt:		
Interest unpaid	$3,646,740 00	
Dividends unpaid	44,012 76	
Vouchers and accounts	1,723,400 09	
Other liabilities (list as follows):		
Due sundry companies and individuals	977,723 38	
		6,391,876 23
Profit and loss or income accounts		8,081,481 64
Total		$227,113,197 00

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$211,333,702 41
Average cost per mile of road (not including sidings) 6,168.73 miles	34,258 86
Proportion of cost for Michigan, 152.08 miles	5,283,342 56

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE AND BRANCHES.

Extensions and new sidings	394,485 85
Bridges and culverts	227,283 96
Miscellaneous	22,542 18
New fences	16,327 36
Machinery and tools	504 33
New equipment	63,120 95
Real estate	14,060 31
Total	$443,324 93

Total charges to property account as above	$443,234 98
Property sold and credited	69,597 58
Net addition to property account	373,637 40

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.—PROPORTIONAL.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$136,990 38	
Through fares	16,275 70	
Total passenger fares	$153,266 08	
Express and baggage	20,963 71	
Mails	28,104 04	
Other sources	9,433 81	
Total passenger department earnings		$211,767 64
Per train mile, 196,518 miles	$1 07.76	
Per mile of road, 152.08 miles	1,373 17	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$452,262 46	
Through traffic	95,097 85	
Total traffic	$547,360 31	
Total freight department earnings		547,360 31
Per train mile, 324,314 miles	$1 68.77	
Per mile of road, 152.08 miles	3,549 26	

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$5,479,615 19	
Through fares	651,028 18	
Total passenger fares	$6,130,643 37	
Express and baggage	838,548 57	
Mails	1,124,161 47	
Other sources	377,352 36	
Total passenger department earnings		$8,470,705 77
Per train mile, 7,860,094 miles	$1 07.76	
Per mile of road, 6,168.73 miles	1,373 17	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$18,090,498 50	
Through traffic	3,803,914 07	
Total traffic	$21,894,412 57	
Total freight department earnings		21,894,412 57
Per train mile, 12,972,581 miles	$1 68.77	
Per mile of road, 6,168.73 miles	3,549 26	
Total transportation earnings, entire line		$30,365,118 34

Miscellaneous receipts from operating account, other than for transportation, as follows:

Elevators	243,392 95	
From telegraph companies	33,098 44	
From rents not otherwise provided for	118,377 55	
From other sources, stock yards	48,118 42	
Total		343,883 36

DISTRIBUTION OF MISCELLANEOUS EARNINGS BETWEEN MAIN LINE AND LEASED OR PROPRIETARY ROADS.

	Taxable.	Not Taxable.	Total Michigan.
Freight earnings	$124,718 47	$50,164 92	$174,883 39
Passenger earnings	46,445 79	11,890 64	58,336 43
Mails	9,443 81	2,212 32	11,655 13
Express	8,526 60	3,830 76	12,357 36
News	224 40		224 40
Extra baggage	678 72	308 83	987 55
Sleeping cars	128 62	13 40	152 02
Rents	45 00	1 00	46 00
Total	$190,220 42	$68,421 87	$258,642 29

Total earnings from operation of road—actual		$30,603,000 70
Total earnings per mile of road, 6,168.73	$4,961 80	
Total earnings per train mile, 20,833,275	1 46.92	
Proportion of taxable earnings for Michigan—actual	190,220 42	
Total taxable earnings per mile of road in Michigan	1,811 11	
Income other than from earnings		154,438 93
Total income from all sources		$30,762,439 63
Proportion of income for Michigan, proportional		769,060 96

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$1,551,873 31
Renewals of rails	396,928 39
Renewals of ties	763,956 71
Repairs and renewals of bridges and culverts	763,169 25
Repairs and renewals of fences, road crossings, signs and cattle guards	76,454 35
Repairs and renewals of buildings and fixtures	284,182 40
Total	$3,835,564 41

MAINTENANCE OF EQUIPMENT.

Repairs and renewals of locomotives	$1,038,614 77
Repairs and renewals of passenger cars, Repairs and renewals of freight cars, Repairs and renewals of work cars.	1,364,287 28
Repairs and renewals of shop machinery and tools	65,118 99
Total	$2,468,021 04

CONDUCTING TRANSPORTATION.

Engine and roundhouse men	$1,796,928 28
Fuel for locomotives	1,867,300 01
Oil, tallow and waste for locomotives	118,459 03
Train service	1,477,407 86
Train and station supplies and expenses	435,451 48
Station service	2,619,390 81
Station supplies. See above.	
Switching charges—balance	268,777 51
Car mileage—balance	136,729 14
Loss and damage	108,957 52
Injuries to persons	148,484 20
Advertising, Outside agencies.	169,066 94
Stock yards and elevators	85,105 38
Other expenses	67,916 88
Total	$9,249,975 00

GENERAL EXPENSES.

Salaries of general officers, Salaries of clerks and attendants, General office expenses and supplies,	$649,638 53
Insurance	84,402 77
Law expenses	133,993 71
Other expenses	246,975 08
Taxes	1,074,281 92
Total	$3,194,292 01

RECAPITULATION OF EXPENSES.

Maintenance of ways and structures	$3,335,564 41
Maintenance of equipment	2,468,021 04
Conducting transportation	9,249,975 00
General expenses, including taxes	2,194,292 01
Total operating expenses and taxes	$17,747,852 46

Operating expenses and taxes per mile of road, 6,168.73 miles		$2,877 07
Operating expenses and taxes per train mile run, for trains earning revenue, 20,833,275 miles		85.19
Proportion of operating expenses and taxes for Michigan main line, proportional		226,274 86
Total proportion of expenses for Michigan, proportional		226,274 86
Percentage of expenses and taxes to earnings	57.98%	
Net earnings per mile of road, 6,168.73 miles		2,084 73
Net earning per train mile, 20,833,275 miles		61.73

DESCRIPTION OF ROAD.

MILES OF ROAD.

From	To	Illinois.	Wisconsin.	Iowa.	Minnesota.	North Dakota.	South Dakota.	Missouri.	Michigan.	Total.
Chicago	Milwaukee	45.06	37.92							82.98
Rondout	Libertyville	3.00								3.00
Chicago	Llewellyn Park	13.69								13.69
North Chicago	Pacific Junction	3.39								3.39
Pacific Junction	Savanna	133.18								133.18
Galewood	Dunning	3.18								3.18
Savanna	Council Bluffs	2.30		349.18						351.48
Elk River Junction	Clinton			10.05						10.05
Davenport	Jackson Junction			153.37						153.37
Eldridge	Hurstville			34.61						34.61
Paralta	Farley			43.63						43.63
Marion	Ottumwa			97.00						97.00
Ottumwa Junction	Coburg			62.27				140.27		202.54
Racine	Kittredge	50.63	69.31							119.94
Savanna	Port Byron Junction	47.70								47.70
Elkhorn	Eagle		16.59							16.59
Rockton	Rockford	14.94								14.94
Milwaukee	Prairie du Chien		195.36							195.36
Stock Yards, Milwaukee	Merrill Park		.80							.80
Masomanie	Prairie du Sac		10.37							10.37
Lone Rock	Richland Center		16.23							16.23
Milton	Shullsburg		76.84							76.84
Janesville	Beloit		13.86							13.86
Brodhead	New Glarus		22.78							22.78
Warren	Mineral Point	1.01	31.28							32.29
Calamine	Platteville		17.08							17.08
South Milwaukee	La Crosse		196.37							196.37
Watertown Junction	Madison		36.48							36.48
Portage City	East Madison		23.01							23.01
New Lisbon	Necedah		12.74							12.74
Viroqua Junction	Viroqua		32.17							32.17
North La Crosse	Onalaska		3.76							3.76
Tomah	Minocqua and Star Lake		180.30							180.30
Mather	Carrick		16.01							16.01
Lapham Junction	Zeda		2.66							2.66
Chestnut street, Milwaukee	Portage City		100.27							100.27
Merrill Park	North Milwaukee		6.17							6.17
Cement Line Junction	Rock		1.06							1.06
Iron Ridge	Fond du Lac		28.52							28.52
Horicon	Berlin		42.30							42.30

Brandon	Markesan		11.49							11.49
Ripon	Oshkosh		19.09							19.09
Rush Lake Junction	Winneconne		14.89							14.89
Sabula Junction	River Junction			136.18	24.93					161.11
Bellevue	Cascade			35.77						35.77
Turkey River Junction	West Union			58.34						58.34
Waukon Junction	Waukon			22.95						22.95
Reno	Preston				57.77					57.77
North La Crosse	St. Paul		1.89		128.42					129.31
St. Paul	Minneapolis				8.30					8.30
St. Croix Junction	Stillwater				24.78					24.78
Wabasha	Zumbrota				60.21					60.21
Wabasha	Chippewa Falls		60.77		1.83					62.60
Red Cedar Junction	Cedar Falls		20.67							20.67
North McGregor	Chamberlain			291.48			149.77			441.25
Beulah	Elkader			19.20						19.20
Spencer	Spirit Lake			20.18						20.18
Rock Valley	Eden			8.99			.39			9.38
Marion Junction	Running Water						62.85			62.85
Calmar	Minneapolis			41.38	130.64					172.02
Conover	Decorah			10.00						10.00
Austin	Mason City			27.95	11.34					39.29
Mendota	St. Paul				5.56					5.56
Northfield	Cannon Junction				31.98					31.98
La Crescent	Woonsocket				296.22		97.20			393.42
Wells	Mankato				38.08					38.08
Madison	Bristol						108.02			108.02
South Minneapolis	Ortonville				177.27					177.27
Glencoe	Hutchinson				13.45					13.45
Hopkins	Lake Minnetonka				7.84					7.84
Ortonville	Fargo				46.29	69.40	1.28			116.97
Ortonville Junction	Aberdeen				1.47		107.02			108.49
Hastings	Benton Junction				53.71					53.71
Milbank	Sisseon						37.24			37.24
Andover	Harlem					17.20	38.71			55.91
Mitchell	Aberdeen						128.31			128.31
Aberdeen	Edgeley					31.61	32.72			64.33
Aberdeen	Bowdie						57.02			57.02
Roscoe	Orient						40.99			40.99
Roscoe	Eureka						26.39			26.39
Manilla	Sioux City			90.17						90.17
Sioux City	Scotland Junction			5.63			82.22			87.85
Scotland	Mitchell						47.67			47.67
Tripp	Armour						20.45			20.45
Elk Point	Sioux Falls Junction			34.92			67.81			102.73

MILES OF ROAD.—*Continued.*

From	To	Illinois.	Wisconsin.	Iowa.	Minnesota.	North Dakota.	South Dakota.	Missouri.	Michigan.	Total.
Necedah	Babcock		18.94							18 94
Babcock	Pittsville		9.97							9.97
Pittsville Junction	Vesper		8.42							8.42
Dexterville	Lynn		22.45							22.45
Lynn	Romadka		5.20							5.20
In City of Fond du Lac			2.62							2.62
North Milwaukee	Champion		196.02						57.79	253.81
Hilbert Junction	Appleton		20.35							20.35
Menasha	Neenah		1.00							1.00
Oconto Junction	Oconto		11.94							11.94
Ellis Junction	Menominee		21.09						1.34	22.43
Wausaukee	Girard Junction		17.65							17.65
Channing	Sidnaw								47.05	47.05
Sidnaw	Ontonagon								45.90	45.90
Prairie du Chien	North McGregor		1.39	.12						1.51
Totals		318.08	1,665.57	1,553.37	1,120.09	118.21	1,101.06	140.27	152.08	6,168.73

MAIN LINE.	Miles.
Length of double track on main line	204.52
Total length of road belonging to this company	6,168.73
Total length of road belonging to this company in Michigan	152.08
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	42.81
Aggregate length of tracks in Michigan belonging to this company, computed as single track	194.89
Gauge of track, 4 feet, 8½ inches, standard	6,014.98
Gauge of track, 3 feet, narrow	153.75

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	9	1,051
Iron bridges	2	190
Wooden trestles	120	12,000
Total	131	13,241

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
C. & N. W. R. R. at Balsam, Wabik.
C. & N. W. R. R. at Iron Mountain, Menominee.
D., S. S. & A. R. R. at Champion, Republic, Sidnaw.
Menominee Electric R. R. at Menominee.
Nester Logging R. R. at Sidnaw.

What railroads cross your road either over or under your grade in this State, and where?
Under:
C. & N. W. R. R. at Iron Mountain.

At what crossings are interlocking and derailing switches in operation?
D., S. S. & A. R'y at Republic and Sidnaw.
C. & N. W. R'y at Wabik.

What pattern or patterns have you adopted?
Union Switch and Signal Co., Farmer & Saxby.

Number of crossings of highways at grade in this State	73
Number of crossings of highways at grade in this State at which there are gates or flagmen	5
Number of crossings at which there are electric or automatic signals	1

Number of crossings of highways over or under railroad: under, 2.

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Hart-Foot guard and plank.

Stations.

Number of stations on whole lines	895
Same in Michigan	27

Employés.

Number of persons regularly employed on all roads operated by company, including officials	17,577
Same in Michigan	212

Classify your employés as per following list:	Number.
Baggagemen, Brakemen,	1,298
Conductors	606
Engineers	794
Firemen	802
Laborers	3,394
Shopmen	3,078
Yardmen	937
Others	6,668

REPAIRS AND RENEWALS.

Fencing in Michigan.

	Miles.	Feet.
How many miles of fencing have you?	59	920
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:		
Dickinson	66	1,742
Marquette	28	20
Baraga	10	4,640
Houghton	38	760
Iron	52	760
Ontonagon	28	
Total miles required	232	2,642

Road bed and track.

Number of track sections in Michigan		20
Average lengths of sections, miles in Michigan		8
Average number of men in each section gang		2
Number of new ties put in whole line during the year		1,668,044
Number of new ties put in track in Michigan		39,496
Average number of new ties per mile of road in Michigan		260
New rails put in track in Michigan:		
Iron, 116 tons, 1063 pounds; feet in Michigan	13,977	
Steel, 70 tons, 468 pounds; feet in Michigan	8,452	
Total feet of track laid with new rails in Michigan	22,429	

Bridges and culverts in Michigan.

Amount of trestle work replaced with earth during the year, linear feet	615
With timber—number	2

New bridges built during the year—number, 1.

Location.	Kind.	Material.	Month built.	Feet in length.
Floodwood	Howe truss	Wood		126
Total				126

ROLLING STOCK.

		Number.
Number of locomotives of more than 30 tons weight, exclusive of tender		813
Number of locomotive of 20 to 30 tons weight, exclusive of tender		21
Number of locomotives of 10 to 20 tons weight, exclusive of tender		5
Total		839
Number of passenger cars—12-wheel, including official cars		152
Number of passenger cars—8 wheel, including official cars		261
Number of parlor cars	16	
Number of sleeping cars	53	
Number of dining cars	8	
		77
Number of express and baggage cars		286
Number of box freight cars		18,611
Number of box refrigerator cars		480
Number of stock cars		2,569
Number of platform cars		5,496
Number of ore cars		246
Number of log cars		65
Number of conductors' way cars		461
Other cars as follows:		
Wrecking, tool cars, etc.		75
Total		28,779

Number of locomotives equipped with power brakes	729
Number of passenger train cars equipped with power brakes	767
Number of freight cars equipped with power brakes	6,646

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse, 659 locomotives, 7,413 cars; vacuum, 6 locomotives; steam, 64 locomotives.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
M. C. B. type.

How are your passenger cars heated?
Steam.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan, proportional.
Miles run by passenger trains during the year	7,622,634	190,566
Miles run by freight trains during the year	12,358,402	306,460
Miles run by mixed trains	952,239	23,806
Total mileage of trains earning revenue	20,833,275	520,832
Miles run by wood, gravel and construction trains	406,650	10,166
Miles run by switching trains	3,893,301	97,332
Total miles run by all trains	25,133,326	628,330

Passenger traffic.—Entire lines.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	176,065		
Number of local passengers carried, earning revenue	7,235,455		
Total number of passengers carried, earning revenue	7,411,520		
Number of passengers carried one mile	259,568,631		
Average distance carried		35.02	
Average amount received from each passenger			$0 82.718
Average receipts per mile for through passengers			02.303
Average receipts per mile for local passengers			02.369
Average receipts per passenger per mile for all passengers			02.362

Passenger traffic.—In State of Michigan, proportional.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	4,401		
Number of local passengers carried, earning revenue	180,887		
Total number of passengers carried, earning revenue	185,288		
Number of passengers carried one mile	6,489,216		
Average distance carried		35.02	
Average amount received from each passenger			$0 82.718
Average receipts per mile for through passengers			02.303
Average receipts per mile for local passengers			02.369
Average receipts per passenger per mile for all passengers			02.362

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	2,466,805		
Number of tons of local freight carried, earning revenue	8,885,140		
Total tons of freight carried, earning revenue	11,351,945		
Total mileage of through freight		513,726,040	
Total mileage of local freight		1,605,979,584	
Total freight mileage or tons carried one mile		2,119,705,624	
Average ton haul for through freight		208.26	
Average ton haul for local freight		180.75	
Average ton haul for all freight		186.72	
Average amount received for each ton haul			$1 92.869
Average receipts ton per mile, for through freight			00.740
Average ton receipts per mile, for local freight			01.126
Average receipts ton per mile, for all freight			01.083

Freight traffic.—In State of Michigan, proportional.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	61,670		
Number of tons of local freight carried, earning revenue	224,129		
Total tons of freight carried, earning revenue	283,799		
Total mileage of through freight		12,843,151	
Total mileage of local freight		40,149,490	
Total freight mileage, or tons carried one mile		52,992,641	
Average ton haul for through freight		208.26	
Average ton haul for local freight		180.75	
Average ton haul for all freight		186.72	
Average amount received for each ton haul			$1 92.869
Average receipts ton per mile, for through freight			00.740
Average receipts ton per mile, for local freight			01.126
Average receipts ton per mile, for all freight			01.033

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	163		163	.04
Flour	33	415	448	.10
Other mill products	4	43	47	.01
Hay	229		229	.05
Fruit and vegetables	191		191	.04
Products of animals:				
Live stock	375	66	441	.10
Dressed meats	83		83	.02
Other packing house products	82	13	95	.02
Poultry, game and fish	301	249	550	.12
Hides and leather	10	30	40	.01
Products of mines:				
Anthracite coal	22		22	.01
Bituminous coal	1,386	129	1,515	.33
Coke	16		16	
Ores	136,510	14,850	151,360	33.15
Stone, sand and other like articles	1,305	857	2,162	.47
Salt	24		24	.01
Products of forest:				
Lumber	66,881	1,864	68,745	15.05
Logs	172,731	46,159	218,890	47.93
Manufactures:				
Petroleum and other oils	55		55	.01
Iron, pig and bloom		1,490	1,490	.33
Iron and steel rails	321		321	.07
Other castings and machinery	114	109	223	.05
Bar and sheet metal		53	53	.01
Cement, brick and lime	17		17	
Wagons, carriages, tools, etc.	96		96	.02
Wines, liquors and beers	498		498	.11
Household goods and furniture	193	10	203	.04
Merchandise	3,451	945	4,396	.96
Miscellaneous:				
Other commodities not mentioned above	1,119	3,184	4,303	.94
Total tonnage	386,210	70,466	456,676	100.00

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

The United States Express Company; does a general express business; rates are various and are governed by the business done and facilities furnished; freights taken at the various depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

6,084.00 miles of line, 20,226.10 miles of wire. For the construction of the telegraph lines the Western Union Telegraph Company, or the North Western Telegraph Company in some cases furnished some material and claim joint ownership—amount not definitely fixed.

TRANSPORTATION COMPANIES.

Sleeping, drawing-room and palace car companies.

What sleeping, drawing-room, chair or other palace passenger cars, not the exclusive property of your own or some other railroad company, have, during the year, been in use on your road in the State of Michigan, and on what terms? If rented by you, or allowed mileage between local points in this State, what was the amount paid for the use of such cars during the period under report?

Pullman Palace Car Company, Chicago, Ill. No compensation. Railroad company keeps cars in repair.

Fast freight lines.

To what fast freight lines, or other transportation companies running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid?

The cars of all transportation companies are allowed to run over the lines of this company, paying regular rates and receiving mileage.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

February 28, C. Martinson, laborer, passenger, Frost Junction. Intoxicated, jumped from moving train.
June 11, C. W. Ferguson, hotel man, Sidnaw. Getting on moving freight train.
October 10, John Saladin, brakeman, Ontonagon. Fell from engine.
October 23, C. A. Dahl, lumberman, Iron Mountain. Intoxicated, walking on track.
November 15, S. R. Walker, brakeman, Republic. Fell between cars.
December 22, Jos. Debenakey, lumberman, Balsam. Asleep on track.

INJURED.

February 15, F. Montague, bridge carpenter, Floodwood. Jack lever slipped.
December 22, Jas. Powlak, lumberman, Balsam. Asleep on track.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Falling from trains		2				
Getting on and off trains	1					
Miscellaneous					1	
Trespassers on trains			1			
Trespassers on tracks			2			1
Total	1	2	3		1	1

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	6
Number of persons injured during the year	2
Number of casualties purely accidental	0
Number resulting from lack of caution, carelessness or misconduct	8
Persons killed or injured while intoxicated	2
Trespassers and tramps killed or injured	4

CLASSIFICATION OF EMPLOYÉS.

KILLED OR INJURED IN MICHIGAN.

Employés.	Killed.	Injured.	Total.
Brakemen	2		2
Shopmen		1	1
Total	2	1	3

STATE OF ILLINOIS, }
COUNTY OF COOK, } ss.

F. G. Ranney, treasurer, and W. N. D. Winne, general auditor, of the Chicago, Milwaukee & St. Paul Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

F. G. RANNEY, *Treasurer*,
W. N. D. WINNE, *General Auditor*.

Subscribed and sworn to before me this 6th day of May, A. D. 1896.

Signed

[L. S.] W. D. MILLARD,
Notary Public.

ANNUAL REPORT

OF THE

CHICAGO, MILWAUKEE & ST. PAUL RAILWAY COMPANY

[Supplementary.]

For the year ending December 31, 1895.

[Filed May 8, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, ROSWELL MILLER, Chicago.
Vice President, FRANK S. BOND, New York.
Secretary, P. M. MYERS, Milwaukee
General Auditor, W. N. D. WINNE, Chicago.
Treasurer, F. G. RANNEY, Chicago.
2d Vice President and General Manager, A. J. EARLING, Chicago.
General Superintendent, W. G. COLLINS, Chicago.
Gen'l Sup't in Michigan, W. J. UNDERWOOD, Milwaukee.
Div. Sup't in Michigan, R. R. Minturn, Green Bay.
Chief Engineer, D. J. WHITTEMORE, Chicago.
Superintendent of Telegraph, U. J. FRY, Milwaukee.
Gen'l Passenger and Ticket Agent, G. H. HEAFFORD, Chicago.
General Freight Agent, J. H. HILLAND, Chicago.
General Counsel, GEO. R. PECK, Chicago.

DIRECTORS.

PHILIP D. ARMOUR, Chicago.
AUGUST BELMONT, New York.
FRANK S. BOND, New York.
CHARLES H. COSTER, New York.
CHARLES D. DICKEY, JR., New York.
PETER GEDDES, New York.
FREDERICK LAYTON, Milwaukee.
JOSEPH MILLBANK, New York.
ROSWELL MILLER, Chicago.
J. M. MCKINLAY, New York.
WM. ROCKEFELLER, New York.
SAMUEL SPENCER, New York.
A. VAN SANTVOORD, New York.

Terms expire September, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: May 5, 1863.
Number of stockholders at date of last election: 4,198.
Number of stockholders in Michigan at same date: 6.
Amount of full paid stock held in Michigan at same date: $86,200.00.
Date of annual meeting of stockholders: September.
Fiscal year of company ends June 30.
General offices of the company are located at Chicago, Illinois.

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Total passenger fares	$11,890 64	
Express and baggage	4,189 59	
Mails	2,212 32	
Other sources	13 40	
Total passenger department earnings		$18,255 95
Per train mile, 29,657 miles	$0 61.56	
Per mile of road, 47.05 miles	388 01	

FREIGHT EARNINGS.

Main line:		
Total freight department earnings		50,164 92
Per train mile, 54,679 miles	$0 91.75	
Per mile of road, 47.05 miles	1,066 20	
Total transportation earnings, entire line		$68,420 87
Miscellaneous receipts from operating account, other than for transportation, as follows:		
From rents not otherwise provided for		1 00
Total earnings from operation of road		$68,421 87

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Channing to Sidnaw, January 1, 1893.

MAIN LINE.

	Miles.
In Michigan, from Channing to Sidnaw	47.05

Gauge of track, 4 feet 8½ inches.

If north of parallel of 44 of latitude:
Yes.

Give date road commenced to be built:
February, 1892.

Give date road completed.
December, 1892.

Give date road commenced to be operated:
January 1, 1893.

Where built from and to:
Channing to Sidnaw.

Give exact number of miles:
47.05.

STATE OF ILLINOIS, }
COUNTY OF COOK, } ss.

F. G. Ranney, treasurer, and W. N. D. Winne, general auditor of the Chicago, Milwaukee & St. Paul Railway Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed F. G. RANNEY, *Treasurer.*
W. N. D. WINNE, *Gen'l Auditor.*

Subscribed and sworn to before me this 6th day of May, A. D. 1896.

W. D. MILLARD,
Notary Public.

ANNUAL REPORT

OF THE

CHICAGO & NORTHWESTERN RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed February 28, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, MARVIN HUGHITT, Chicago, Ill.
Vice President, M. L. SYKES, New York, N. Y.
Secretary, M. L. SYKES, New York, N. Y.
Auditor, J. B. REDFIELD, Chicago, Ill.
Treasurer, M. L. SYKES, New York, N. Y.
General Manager, JOHN M. WHITMAN, Chicago, Ill.
General Superintendent, S. SANBORN, Chicago, Ill.
Division Superintendents, Lines in Michigan..... { W. B. LINDSLEY, Escanaba, Mich.
GEORGE F. BIDWELL, Kaukauna, Wis.
Chief Engineer, JOHN E. BLUNT, Chicago, Ill.
Superintendent of Telegraph, GEORGE H. THAYER, Chicago, Ill.
2d Vice President, M. M. KIRKMAN, Chicago, Ill.
General Passenger and Ticket Agent, W. B. KNISKERN, Chicago, Ill.
General Freight Agent, H. R. McCULLOUGH, Chicago, Ill.
General Counsel, LLOYD W. BOWERS, Chicago, Ill.

DIRECTORS.

BYRON L. SMITH, Chicago, Ill.
CYRUS H. McCORMICK, Chicago, Ill.
F. W. VANDERBILT, New York, N. Y.
W. K. VANDERBILT, New York, N. Y.
H. M. McK. TROMBLY, New York, N. Y.
JOHN I. BLAIR, Blairstown, N. J.
Terms expire June, 1896.
DAVID P. KIMBALL, Boston, Mass.
CHAUNCEY M. DEPEW, New York, N. Y.
SAM'L F. BARGER, New York, N. Y.
ALBERT KEEP, Chicago, Ill.
M. L. SYKES, New York, N. Y.
JAMES C. FARGO, New York, N. Y.
Terms expire June, 1897.
ZENAS CRANE, Dalton, Mass.
OLIVER AMES, 2D, Boston, Mass.
JAMES STILLMAN, New York, N. Y.
MARVIN HUGHITT, Chicago, Ill.
N. K. FAIRBANK, Chicago, Ill.
Terms expire June, 1898.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: June 7, 1859.
Number of stockholders at date of last election: 5,163.
Number of stockholders in Michigan at same date: 17.
Amount of full paid stock held in Michigan at same date: $140,300.00.
Date of annual meeting of stockholders: First Thursday in June.
Fiscal year of company ends May 31.
General offices of the company are located at Chicago, Ill.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$31,558,638 44
Total expenses, including taxes	$19,753,801 48	
Net income		$11,804,836 96
Interest on funded and unfunded debt	$6,427,995 21	
5½ sinking funds	325,990 00	
Rentals of buildings, tracks, etc.	15,630 60	
Balance applicable to dividends		5,035,221 15
Dividends declared, 4 per cent on common, $1,562,196.00; 7 per cent on preferred, 1,563,520.00	$3,125,716 00	
Balance for the year		$1,909,505 15
Balance (profit and loss) last year		7,674,574 10
Balance forward to next year		$9,584,079 25

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association: No fixed amount.			
Par value of shares	$100 00		
Number of shares issued	665,378		
Common, stock outstanding (including stock of proprietary railroads)		$44,194,865 97	
Preferred, stock outstanding		22,343,954 56	
Total amount outstanding including stock of proprietary railroads, as per books of the company			$66,537,820 53
Paid in per mile of road owned by C. & N. W. R'y and proprietary Co's 4,970.76 miles			13,385 84

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Name of bond.	Issued.	Due.	Interest.		Amount.
			Rate.	Payable.	
M. L. S. & W., Hur. & On. Bra., 1st	April 1, 1886.	Apr. 1, 1896.	6%	Apr. 1 and Oct. 1	$25,000
Maple River R. R.	July 1, 1887.	July 1, 1897.	7%	Jan. 1 and July 1	402,500
Chic. & Mil. R'y, 1st	July 1, 1863.	July 1, 1898.	7%	Jan. 1 and July 1	1,700,000
Peninsula R. R.	July 1, 1863.	Sept. 1, 1898	7%	Mar. 1 and Sept. 1	117,000
Iowa Midland R'y	Aug 1, 1870.	Oct. 1, 1900.	8%	Apr. 1 and Oct. 1	1,350,000
Escanaba & Lake Superior R'y	July 1, 1881.	July 1, 1901.	6%	Jan. 1 and July 1	720,000
Iowa Division, 1st mort.	April 1, 1891	Apr. 1, 1902.	4½%	Apr. 1 and Oct. 1	1,411,000
General Consol., gold	Nov. 30, 1872	Dec. 1, 1902.	7%	June 1 and Dec. 1	12,336,000
Mil. & Madison R'y.	Sept. 1, 1880.	Sept. 1, 1905.	6%	Mar. 1 and Sept. 1	1,600,000
Chicago & Tomah	Sept. 1, 1880.	Nov. 1, 1905.	6%	May 1 and Nov. 1	1,528,000
Chicago, Mil. & No. West. R'y	May 1, 1882.	Nov. 1, 1905.	6%	May 1 and Nov. 1	750,000
Menominee River R. R. 1st	July 1, 1876.	July 1, 1906.	7%	Jan. 1 and July 1	400,000
Menominee River R. R. Ext. 1st	Jan. 1, 1880.	July 1, 1906.	7%	Jan. 1 and July 1	160,000
Des Moines & Minn. R. R.	Feb. 1, 1882.	Feb. 1, 1907.	7%	Feb. 1 and Aug. 1	600,000
M. L. S. & W. R'y, Deb. of 1907	Feb. 1, 1887.	Feb. 1, 1907.	5%	Feb. 1 and Aug. 1	436,000
Dakota Cent. R'y (W. & St. P. con.)	May 1, 1882.	Sept. 1, 1907.	6%	Mar. 1 and Sept. 1	1,065,000
Dakota Cent. R'y (Southeast Div.)	Nov. 1, 1882.	Nov. 1, 1907.	6%	May 1 and Nov. 1	2,000,000
W. & St. P. R. R. 2d	Nov. 1, 1867.	Nov. 1, 1907.	7%	May 1 and Nov. 1	1,592,000
Roch. & No. Minn. R'y	Sept. 1, 1878.	Sept. 1, 1908.	7%	Mar. 1 and Sept. 1	200,000
Plainview R. R.	Sept. 1, 1878.	Sept. 1, 1908.	7%	Mar. 1 and Sept. 1	100,000
Minn. Valley R'y	Oct. 1, 1878.	Oct 1, 1908.	7%	Apr. 1 and Oct. 1	150,000
Ott. C. F. & St. P. Ry	Mar. 1, 1884.	Mar. 1, 1909.	5%	Mar. 1 and Sept. 1	1,600,000
C. R. & M. R., 7% of 1884	June 1, 1884.	July 1, 1909.	7%	June 1 and Dec. 1	769,000
Debentures of 1909	July 1, 1884.	Nov. 1, 1909.	5%	May 1 and Nov. 1	6,000,000
Nor. Illinois R'y	Apr. 1, 1885.	Mar. 1, 1910.	5%	Mar. 1 and Sept. 1	1,500,000
Madison Extension	Apr. 1, 1871.	Apr. 11, 1911	7%	Apr. 1 and Oct. 1	3,150,000
M. L. S. & W. R'y income bonds	May 2, 1881.	May 1, 1911.	6%	May 1 and Nov. 1	500,000
Menominee Extension	June 1, 1871.	June 1, 1911.	7%	June 1 and Dec. 1	2,697,000
Consol. S. M'g fund	Jan. 16, 1865.	Feb. 1, 1915.	7%	Feb. 1 and May 1; Aug. 1 and Nov. 1	12,783,000
C. R. & M. R., 3d div.	May 1, 1866.	May 1, 1916.	7%	May 1 and Nov. 1	2,333,000
W. & St. P. R. R. Ext., gold	Dec. 1, 1871.	Dec. 1, 1916.	7%	June 1 and Dec. 1	4,241,000
North Western Union R'y	June 1, 1872.	June 1, 1917.	7%	Mar. 1 and Sept. 1	3,500,000
Debentures of 1921	Feb. 28, 1891	Apr. 15, 1921	5%	Apr. 15 and Oct. 15	10,000,000
M. L. S. & W. R'y, consol., 1st	May 2, 1881.	May 1, 1921.	6%	May 1 and Nov. 1	5,000,000
M. L. S. & W. R'y. Marshfield Exten.	Oct. 1, 1892.	Oct. 1, 1922.	5%	Apr. 1 and Oct. 1	400,000
M. L. S. & W. R'y, Mich. Div. 1st	June 20, 1884	July 1, 1924.	6%	Jan. 1 and July 1	1,281,000
M. L. S. & W. R'y, Ashland Div.	Mar. 2, 1885.	Mar. 1, 1925.	6%	Mar. 1 and Sept. 1	1,000,000
C. & N. W. R'y. Ext. of 1886	Apr. 15, 1886	Aug. 15, 1926	4%	Feb. 15 and Aug. 15	18,622,000
M. L. S. & W. R'y, Ext. & Imp. M't'g.	Feb. 1, 1889.	Feb. 1, 1929.	5%	Feb. 1 and Aug. 1	4,168,000
Consol. S. F. of 1879	Oct. 1, 1879.	Oct. 1, 1929.	6%	Apr. 1 and Oct. 1	6,248,000
Consol. S. F. of 1879	Oct. 1, 1879.	Oct. 1, 1929.	5%	Apr. 1 and Oct. 1	7,406,000
S. F. Debentures of 1933	May 1, 1883.	May 1, 1933.	5%	May 1 and Nov. 1	9,800,000
Total					$131,649,500

Payable at New York.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For current balances	Will probably be paid in cash	$7,074,378 89
Total unfunded debt		$7,074,378 89

RECAPITULATION.

Total funded debt	$131,649,500 00
Total unfunded debt	7,074,378 89
Total debt liabilities	$138,723,878 89
Amount of debt liabilities per mile of road, funded, 4,970.76 miles, $26,484.78; unfunded, 5,030.78 miles, $1,406.23	27,891 00
Total amount of stock and debt	205,261,599 43
Stock and debt per mile of road, stock and funded debt, 4,970.76 miles, $39,870.52; unfunded debt, 5,030.78 miles, $1,406.23	41,276 84

GENERAL BALANCE SHEET.—Dr.

Construction account Equipment account		$133,974,612 20
Other investments:		
Bonds of other companies owned	$1,444,070 60	
Company's bonds on hand	8,607,052 78	
Land grant investments	507,917 09	
Common and preferred stocks of C. & N. W. R'y in hands of treasurer	2,337,393 61	
Bonds of F. E. & M. V. R. R. Co. placed as collateral for C. & N. W. R'y, 4% ext. bonds of 1886	13,325,000 00	
Cost of stocks of proprietary companies	237,500 00	
Cost of stocks of M. V. & B. R'y & B. Co.	37,000 00	
Cost of stocks of Sioux City Bridge Co.	2,400 00	
Cost of stocks of Sioux City and Pacific R. R. Co.	49,334 00	
Cost of stocks of Chicago Union Transfer Co.	40,000 00	
Cost of stocks of F. E. & M. V. R. R. Co.	1,931,500 00	
Cost of stocks of C. & St. P. M. and O. R'y Co.	10,000,000 00	
		38,479,217 08
Cash items:		
Cash	$4,749,050 34	
Bills receivable	84,865 27	
Due from agents	1,260,920 72	
		6,094,836 43
Other assets:		
Materials and supplies	$1,861,985 25	
Sinking funds, trustees of	7,537,553 70	
Debit balances from companies and individuals	770,512 46	
		10,170,051 41
Total		$238,718,717 22

GENERAL BALANCE SHEET.—Cr.

Capital stock		$66,537,320 53
Funded debt		131,649,500 00
Purchase account, bonds on hand from purchase of M. L. S. & W. R'y		8,467,000 00
Securities for capital stock issued		2,334,207 09
Sinking funds:		
Installments paid	$6,406,326 20	
Accretions	1,131,227 50	
		7,537,553 70
Unfunded debt:		
Interest unpaid	$1,953,379 34	
Dividends unpaid, inc. div. payable January 3, 1896	1,375,981 75	
Vouchers and accounts	3,746,017 80	
		7,074,378 89
Other liabilities (list as follows):		
Land income account		4,304,853 77
Income account, consolidation coal company		178,263 99
Railroad income account, bonds retired and canceled		1,151,000 00
Profit and loss or income accounts		9,584,079 25
Total		$238,718,717 22

COST OF ROAD AND EQUIPMENT.

Total cost for construction and equipment of road and branches built and acquired by company including cost of proprietary lines embraced in this report.

Total expended for construction and equipment		$133,974,612 20
Average cost per mile of road (not including sidings), 4,970.76 miles		27,011 36
Proportion of cost for Michigan		1,928,995 38
Miles owned by C. & N. W. and proprietary companies, whole line	4,970.76	
Miles owned by C. & N. W. and proprietary companies in Michigan	521.19	

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Lands, extensions and new sidings	$748,778 39
Second track	82,697 02
New buildings and bridges	243,105 83
New fences and road crossings	8,941 16
Machinery and tools	1,894 22
New cars	44,699 11
Total charges to property account as above	$1,130,115 73
Net addition to property account	1,130,115 73

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	*$208,482 40	
Through fares	*256 03	
Total passenger fares	$208,738 43	
Express	43,210 86	
Mails	41,537 98	
Total passenger department earnings		$293,487 29
Per train mile	$0 72.64	
Per mile of road	*563 11	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	*$2,026,882 53	
Through traffic	*2,017 26	
Total traffic	$2,028,929 79	
Total freight department earnings		2,028,929 79
Per train mile	$2 31.75	
Per mile of road	3,892 88	

* Approximate.

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

	Local fares.	Through fares.	Total passenger fares.	Express.	Mails.	Total.	Per train Mile.	Per mile of road.
Main line and branches			$6,927,175 60	$523,197 44	$656,726 98	$8,117,100 02		
Leased or proprietary roads:								
W. & St. P. R. R.			312,154 64	19,113 90	50,403 95	381,671 59		
Dakota Central R'y			142,453 00	11,518 66	83,076 02	237,046 68		
Princeton & Western R'y			953 34		705 36	1,658 70		
St. Paul Eastern Grand Trunk R'y			19,068 13	2,891 76	3,262 50	25,242 39		
Total passenger department earnings	$6,915,360 57	$487,463 14	$7,402,823 71	$556,721 16	$793,174 81	$8,762,719 68	$0 91.79	$1,741 82

FREIGHT EARNINGS.

	Local traffic.	Through traffic.	Total traffic.	Total.	Per train mile.	Per mile of road.
Main line and branches			$20,729,801 26	$20,729,801.26		
Leased or proprietary roads:						
W. & S. P. R. R.			1,387,594 20	1,387,594 20		
Dakota Central R'y			366,325 97	366,325 97		
Princeton & Western R'y			5,863 19	5,863 19		
St. Paul Eastern Grand Trunk R'y			25,334 83	25,334 83		
Total freight department earnings	$21,421,065 78	$1,093,853 67	$22,514,919 45	$22,514,919 45	$1 43.47	$4,475 43

Total transportation earnings, entire line		$31,277,639 13
Transportation earnings per mile of road	$6,317 25	
Transportation earnings per train mile	1 23.92	

Miscellaneous receipts from operating account, other than for transportation, as follows:

From rents of tracks, yards and terminals	$29,548 22	
From rents not otherwise provided for	77,936 75	
From other sources	173,504 34	
Total		$280,989 31

Distribution of miscellaneous earnings between main line and leased or proprietary roads:

Company.	Total miscellaneous.	Actual for Michigan.
C. & N. W. R'y Co.	$260,320 05	$5,472 72
W. & St. P. R. R. Co.	11,271 19	
Dakota Central R'y	8,568 20	
St. Paul Eastern Grand Trunk R'y	270 27	
Princeton & Western R'y	39 60	
Total miscellaneous earnings	$280,989 31	$5,472 72

Total earnings from operation of road		$31,558,628 44
Total earnings per mile of road, 5,080.78 miles	$6,213 11	
Total earnings per train mile	1 25.04	
Amount of taxable earnings for Michigan, being actual earnings in Michigan		2,327,889 80
Total taxable earnings per mile of road in Michigan, 521.19 miles	4,466 49	

Receipts from investments included (as credits) in interest on funded and unfunded debt:

Total income from all sources	$31,558,628 44
Actual income for Michigan	2,327,889 80

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$1,961,304 08
Renewals of rails	234,876 38
Renewals of ties	491,439 27
Repairs and renewals of bridges and culverts	388,321 99
Repairs and renewals of fences, road crossings, signs and cattle guards	125,500 36
Repairs and renewals of buildings and fixtures	353,068 68
Repairs and renewals of docks and wharves	64,998 68
Repairs and renewals of telegraph	26,698 79
Stationery and printing	14,945 50
Total	$3,661,168 75

MAINTENANCE OF EQUIPMENT.

Superintendence	$229,348 19
Repairs and renewals of locomotives	1,215,457 06
Repairs and renewals of passenger cars	313,117 22
Repairs and renewals of freight cars	1,270,902 37
Repairs and renewals of work cars	16,534 92
Repairs and renewals of marine equipment	3,935 34
Repairs and renewals of shop machinery and tools	81,885 70
Stationery and printing	31,068 75
Other expenses	135,088 76
Total	$3,287,348 72

CONDUCTING TRANSPORTATION.

Superintendence	$148,216 60
Engine and roundhouse men	2,412,974 50
Fuel for locomotives	3,080,213 31
Water supply for locomotives	129,982 45
Oil, tallow and waste for locomotives	74,735 83
Other supplies for locomotives	80,985 50
Train service	1,791,397 66
Train supplies and expenses	242,008 23
Switchmen, flagmen and watchmen	845,512 14
Telegraph expenses	387,509 53
Station service	1,540,624 05
Station supplies	124,980 31
Switching charges—balance	156,150 63
Car mileage—balance	278,712 40
Loss and damage	147,756 58
Injuries to persons	227,568 34
Clearing wrecks	12,837 71
Operating marine equipment	3,244 75
Advertising	54,577 86
Outside agencies	264,520 99
Commissions	55,280 53
Stock yards and elevators	442 41
Rents for tracks, yards and terminals; Rent of buildings and other property	56,854 47
Stationery and printing	108,209 85
Other expenses	9,292 55
Total	$11,163,678 06

GENERAL EXPENSES.

Salaries of general officers	$124,323 32
Salaries of clerks and attendants	284,094 19
General office expenses and supplies	74,839 80
Insurance	3,061 31
Law expenses	129,486 36
Stationery and printing (general offices)	12,398 61
Other expenses	2,532 14
Taxes	1,001,070 22
Total	$1,641,805 95

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	18.53	$3,661,168 75
Maintenance of equipment	16.64	3,287,348 72
Conducting transportation	56.52	11,163,678 06
General expenses, including taxes	8.31	1,641,605 95
Total operating expenses and taxes	100	$19,753,801 48

Operating expenses and taxes per mile of road	$3,926 59
Operating expenses and taxes per train mile run, for trains earning revenue, 25,239,330 miles	78.27
Total proportion of expenses and taxes for Michigan	2,046,498 51
Per centage of expenses and taxes to earnings	62.59
Net earnings per mile of road	2,346 52
Net earnings per train mile	46.77

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini, in Michigan:

Termini.	When built.	Miles.
Escanaba to Negaunee	In 1864	62.00
Negaunee to Junction beyond Ishpeming	In 1864	4.58
Marinette to Escanaba	In 1872	64.65
Powers to Quinnesec	In 1877	24.71
Quinnesec to Menominee River	In 1880	8.13
Second Crossing of Menominee River to Crystal Falls	In 1882	12.20
Iron River Junction to Stambaugh	In 1882	19.50
Narenta to Metropolitan	In 1882	34.86
Iron River to Watersmeet	In 1887	35.16
Junction near Ishpeming to Republic	In 1888	21.96
Clowry to Michigamme	In 1888	10.44
Wabic to Champion	In 1888	1.23
Branches to mines off main line	At various dates	42.27
Branches to mines off Menominee River R. R. Line	At various dates	31.42
Branches to mines off Escanaba and Lake Superior Line	At various dates	8.44
Branches to mines Crystal Falls to Hemlock mine	In 1891	15.00
Branches to mines off Ashland division	At various dates	29.33
Branches to industries off Ashland division	At various dates	.52
State line to Gogebic	In 1883	26.10
Gogebic to Montreal River	In 1884	40.79
Watersmeet to Choate	In 1891	22.82
Interior Junction to Interior	In 1890	1.61
Craigsmere to Robbins	In 1892	3.47
Total		521.19

MAIN LINE OR CONSOLIDATED ROAD.

Road belonging to Chicago & Northwestern Railway Company.

Lines chartered as or consolidated with Chicago & Northwestern R'y Co.	Total.	Illinois.	Iowa.	Wisconsin.	Michigan.	Minnesota.	South Dakota.	North Dakota.
Chicago to Council Bluffs	491.00	137.88	353.12					
Chicago to Freeport	121.00	121.00						
Geneva to Aurora	9.40	9.40						
Geneva to St. Charles	2.40	2.40						
Sycamore to Cortland	4.64	4.64						
Elgin to Williams Bay	51.04	35.82		15.22				
Belvidere to Spring Valley	75.78	75.78						
South Bra. Junct. to River (Chicago)	4.50	4.50						
Clinton to Anamosa (Quarry)	73.57		73.57					
Stanwood to Tipton	8.50		8.50					
Cut off near Cedar Rapids	5.96		5.96					
De Moines to Jewell Junction	59.09		59.09					
Tama to Elmore	164.56		164.22			.34		
Jewell Junction to Wall Lake Junction	73.68		73.68					
Eagle Grove to Hawarden	145.20		145.20					
Belle Plaine to Muchakinock	64.00		64.00					
Boone to Coal Banks	3.25		3.25					
Maple River Junction to Onawa	80.85		80.85					
Wall Lake to Moville	79.87		79.87					
Carroll to Kirkman	34.81		34.81					
Manning to Audubon	17.00		17.00					
Chicago to Ft. Howard	242.20	69.73		172.47				
Appleton Water Power Extension	3.63			3.63				
Kenosha to Rockford	72.10	44.03		28.07				
Chicago to Montrose	5.20	5.20						
Mortrose to North Evanston	7.69	7.69						
Chicago to Milwaukee	85.00	44.60		40.40				
Milwaukee to Fond du Lac	62.63			62.63				
Sheboygan to Princeton	78.40			78.40				
Milwaukee to Montfort	140.88			140.88				
Montfort to Galena	46.34	10.30		36.04				
Montfort to Woodman	30.50			30.50				
Ipswich to Platteville	4.00			4.00				
Lancaster Junct. to Lancaster	12.04			12.04				
Janesville to Afton	6.10			6.10				
Belvidere to Winona	227.00	21.00		205.87		.13		
Winona Junction to La Crosse	3.96			3.96				
Trempealeau to Galesville	6.71			6.71				
Evansville to Janesville	15.68			15.68				
Fort Howard to Republic	202.64			49.45	153.19			
Clowrie to Michigamme	10.44				10.44			
Wabic to Champion	1.23				1.23			
Powers to Watersmeet	104.33			13.73	90.60			
Stager to Crystal Falls	9.10				9.10			
Narenta to Metropolitan	34.86				34.86			
Branches to mines:								
Off main line	42.27				42.27			
Off Escanaba & Lake Superior line	8.44				8.44			
Off Menominee River line	36.13			4.71	31.42			
Off Crystal Falls to Hemlock mine	15.00				15.00			
Off Ashland division	34.22			4.89	29.33			
Branches to industries off Ashland div.	21.44			20.92	.52			
Lake Shore Junct. to Ashland, Wis.	386.13			319.24	66.89			
Monico Junct. to Hurley, Wis	88.11			88.11				
Two Rivers Junct. to Two Rivers, Wis.	6.35			6.35				
Hortonville to Oshkosh, Wis.	23.10			23.10				
Eland Junction to Marshfield, Wis.	63.87			63.87				
North of Antigo to East Bryant Switch	7.27			7.27				
Pratt Junction to Harrison	17.85			17.85				
Parrish Junction to Parrish	4.54			4.54				
Watersmeet to Choate	22.82				22.82			
Interior Junction to Interior	1.61				1.61			
Craigsmere to Robbins	3.47				3.47			
Hurley to end of track	12.97			12.97				
Potato River Junct. to end of track	2.60			2.60				
Extension through Sec. 34	1.34			1.34				
Total C. & N. W. R'y (chartered or consolidated)	3,782.29	593.97	1,163.12	1,503 54	521.19	.47		

Total length of road belonging to this company	3,782.29
Total length of road belonging to this company in Michigan	521.19
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated	168.54
Aggregate length of tracks in Michigan belonging to this company, computed as single track	689.73

Gauge of track, 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

Name, description and length of each.

Proprietary lines, viz.	Total.	Illinois.	Iowa.	Wisconsin.	Michigan.	Minnesota.	South Dakota.	North Dakota.
Princeton & Western R'y	16.06							
Valley Junction to Necedah				16.06				
Winona & St. Peters R. R.	448.48							
Winona to Watertown						288.50	34.48	
Mankato Junction to Mankato						3.75		
Sleepy Eye to Redwood Falls						24.40		
Rochester to Zumbrota						24.48		
Eyota to Plainview						15.01		
Eyota to Chatfield						11.46		
Tracy to Dakota Line						46.40		
Dakota Central Ry	723.93							
Minnesota State Line to Pierre							209.11	
James Valley Junction to Oakes							117.67	14.28
Watertown Junction to Watertown							43.88	
Watertown to Gettysburg							146.25	
Iroquois to Hawarden (State line)							125.49	
Centerville to Yankton							28.46	
Doland to Groton							28.84	
Total	1,188.47			16.06		414.00	744.13	14.28
Leased lines, viz.:								
St. Paul Eastern Grand Trunk R'y	60.02							
Clintonville to Oconto				56.00				
Spurs				4.02				
Total	60.02			60.02				
Recapitulation.								
C. & N. W. R'y (chartered or consolidated	3,782.29	593.97	1,163.12	1,503.54	521.19	.47		
Proprietary lines	1,188.47			16.06		414.00	744.13	14.28
Leased lines	60.02			60.02				
Grand total	5,030.78	593.97	1,163.12	1,579.62	521.19	414.47	744.13	14.28

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	42	2,957
Stone bridges	2	60
Iron bridges	11	1,807
Combination bridges	4	713
Wooden trestles	305	27,827
Total	364	33,364

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Chicago, Milwaukee & St. Paul R. R. at Balsam.
Chicago, Milwaukee & St. Paul R. R. at Menominee, (3 crossings).
Chicago, Milwaukee & St. Paul R. R. at Antoine.
Chicago, Milwaukee & St. Paul R. R. at Wabic.
Minneapolis, St. Paul & Sault Ste. Marie R. R. at Hermanville.
Minneapolis, St Paul & Sault St. Marie R. R. near Narenta (2 crossings).
Duluth, South Shore & Atlantic R. R. at Negaunee.
Duluth, South Shore & Atlantic R. R. near L. Angeline.
Duluth, South Shore & Atlantic R R. at Michigamme.
Duluth, South Shore & Atlantic R. R. at Diorite.
Duluth, South Shore & Atlantic R. R. at Dishno.
Duluth, South Shore & Atlantic R. R. near Republic.
Huron Bay & Iron Range R. R. at Dishno.
Wisconsin Central R. R. spur Palmes mine spur at Anvil mine.
Wisconsin Central R. R. at Benjamin mine spur at Colby mine.
Duluth, South Shore & Atlantic R. R. at Jack Pot mine spur at Imperial mine.

What railroads cross your road either over or under your grade in this State, and where?
Over:
Duluth, South Shore & Atlantic R. R. at Nanganee (2 crossings).
Duluth, South Shore & Atlantic R. R. at 8-10 miles west of Bessemer.
Chicago Milwaukee & St. Paul R. R. at Antoine.
Wisconsin Central R. R. at 8-10 miles east of Siemens.
Wisconsin Central R. R. at Ironwood.
Under:
Duluth, South Shore & Atlantic R. R. near Wabic.
Minneapolis, St. Paul & Sault Ste. Marie R. R. at Flat Rock.

At what crossings are interlocking and derailing switches in operation?
Union Switch and Signal interlocking switches:
At Duluth, South Shore & Atlantic crossing 1 mile east of Michigamme.
At Milwaukee & Northern crossing at Wabic.
At Milwaukee & Northern Republic branch crossing 2 miles east of Republic.
At Minneapolis, St. Paul & Sault St. Marie R'y near Narenta.

What pattern or patterns have you adopted?
See answer to preceding question.

Number of crossings of highways at grade in this State	201
Number of crossings of highways at grade in this State at which there are gates or flagmen	18
Number of crossings at which there are electric or automatic signals	6

What pattern or patterns in use?
Mill's improved air gate, with double deck lock posts.

Number of crossings of highways over or under railroad: over, 2; under, 7	9
Number of highway bridges 18 feet above track	2

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws of 1883?
Yes?

How are they treated?
Wooden or iron blocking.

Stations.

Number of stations on whole lines at which there are buildings and agents	742
Same in Michigan at which there are buildings and agents	45

Employés.

Number of persons regularly employed on all roads operated by company, including officials	19,708
Same in Michigan	1,391

Classify your employés as per following list:	Number.
Baggagemen	392
Brakemen	1,412
Conductors	761
Engineers	1,136
Firemen	1,259
Laborers	4,852
Shopmen	3,935
Yardmen	720
Others	5,224

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	679.57

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:

Iron	48.50	
Menominee	33.76	
Delta	24.06	
Marquette	42.60	
Gogebic	155.95	
Ontonagon	46.94	
Total miles required		352.81

Road bed and track.

Number of track sections in Michigan	85
Average lengths of sections, miles	6.13
Average number of men in each section gang	5
Number of new ties put in whole line during the year	1,421,815
Number of new ties put in track in Michigan	180,146
Average number of new ties per mile of road	283
New rails put in track:	
Steel, tons, 17,016.0316, miles	278.92
Total miles of track laid with new rails	139.46

Bridges and culverts.

Amount of trestle work replaced with earth during the year (linear feet)	299
Timber culverts replaced during the year:	
With iron pipe—number	5
With timber—number	13

New bridges built during the year—number.

Location.	Kind.	Material.	Month built.	Feet in length.
Ingalls	Pile trestle	Wood	November	48
Wilson	Pile trestle	"	October	32
Shafer	Pile trestle and Howe truss	"	February	200
Alecto	Pile trestle	"	November	48
Alecto	Pile trestle	"	December	48
Dryads	Pile trestle	"	November	48
Faurus	Pile trestle	"	November	32
Foster City	Pile trestle	"	October	48
Antoine	Pile trestle	"	October	64
Brule	Pile trestle	"	October	32
Stager	Pile trestle	"	July	130
Mastodon	Pile trestle	"	October	80
Armstrong	Pile trestle	"	August	32
Quinnesec Falls	Pile trestle and comb. truss	"	March	280

ROLLING STOCK.

		Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender		940	
Number of locomotives of 20 to 30 tons weight, exclusive of tender		68	
Number of locomotives of 10 to 20 tons weight, exclusive of tender		2	
Total		1,010	$4,646,000 00
Number of passenger cars—12-wheel, including parlor, buffet and official cars		242	$631,200 00
Number of passenger cars—8-wheel, including chair and official cars		337	826,000 00
Number of express and baggage cars		149	149,000 00
Number of box freight cars		19,819	5,945,700 00
Number of stock cars		2,861	864,200 00
Number of platform and coal cars		6,895	1,792,700 00
Number of ore cars		5,152	772,950 00
Number of conductors' way cars		546	327,600 00
Other cars as follows:			
Dining	9		
Milk	41		
Mail	35		
Combination	79		
Boarding for men	26		
Pile driving and wrecking	46		
Ditching	84		
Rotary steam snow plows	3		
		323	319,900 00
Total		36,246	$11,629,350 00
Grand total			$16,275,350 00

Number of locomotives equipped with power brakes	996
Number of passenger train cars equipped with power brakes	885
Number of freight cars equipped with power brakes	18,095

What patterns of power brakes have you in use, and number of locomotives and cars with each?

Number of locomotives equipped with Westinghouse automatic air brakes	48
Number of locomotives equipped with Westinghouse automatic air and driver brakes	833
Number of locomotives equipped with American steam brakes	38
Number of locomotives equipped with American steam driver and Westinghouse automatic air	77
Number of passenger cars equipped with Westinghouse air brakes	885
Number of freight cars equipped with Westinghouse air brakes	18,095

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Janney coupler, Chicago automatic steel coupler.

How are your passenger cars heated?
Baker heaters, stoves and steam.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	9,325,492	382,646
Miles run by freight trains during the year	15,031,342	811,259
Miles run by mixed trains	882,496	85,641
Total mileage of trains earning revenue	25,239,280	1,279,546

Passenger traffic.—Entire lines.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	90,238		
Number of local passengers carried, earning revenue	15,346,152		
Total number of passengers carried, earning revenue	15,436,390		
Number of passengers carried one mile	359,785,067		
Average distance carried		23.308	
Average amount received from each passenger			$0 47.957
Average receipts per mile for through passengers			02.070
Average receipts per mile for local passengers			02.057
Average receipts per passenger per mile for all passengers			02.058

Passenger traffic.—In State of Michigan (approximate).

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	810		
Number of local passengers carried, earning revenue	269,998		
Total number of passengers carried earning revenue	270,808		
Number of passengers carried one mile	7,160,128		
Average distance carried		26.440	
Average amount received from each passenger			$0 77.061
Average receipts per mile for through passengers			03.223
Average receipts per mile for local passengers			02.915
Average receipts per passenger per mile for all passengers			02.915

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate
Number of tons of through freight carried, earning revenue	331,032		
Number of tons of local freight carried, earning revenue	15,884,059		
Total tons of freight carried, earning revenue	16,215,091		
Total mileage of through freight		121,753,540	
Total mileage of local freight		1,986,839,671	
Total freight mileage or tons carried one mile		2,108,593,211	
Average ton haul for through freight		368	
Average ton haul for local freight		125	
Average ton haul for all freight		130	
Average amount received for each ton haul			$1 39
Average receipts ton per mile, for through freight			.90
Average ton receipts per mile, for local freight			01.08
Average receipts ton per mile, for all freight			01 07

Freight traffic.—In State of Michigan (approximate).

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	6,018		
Number of tons of local freight carried, earning revenue	5,395,918		
Total tons of freight carried, earning revenue	5,401,936		
Total mileage of through freight		184,874	
Total mileage of local freight		233,600,072	
Total freight mileage or tons carried one mile		233,784,946	
Average ton haul for through freight		31	
Average ton haul for local freight		43	
Average ton haul for all freight		43	
Average amount received for each ton haul			$0 38.
Average receipts ton per mile for through freight			01.11
Average receipts ton per mile, for local freight			.87
Average receipts ton per mile, for all freight			.87

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	1,116,320	292,570	1,408,890	8.69
Flour	96,499	146,645	243,144	1.49
Other mill products	72,308	67,939	140,247	.87
Hay	108,254	70,793	179,047	1.10
Tobacco	4,341	1,213	5,554	.03
Cotton	114	387	501	
Fruit and vegetables, including potatoes	167,384	126,641	294,025	1.81
Products of animals:				
Live stock	451,400	201,809	653,209	4.03
Dressed meats	34,855	10,823	45,678	.28
Other packing house products	117,277	28,159	145,436	.90
Poultry, game and fish	12,460	6,852	19,312	.12
Wool	4,383	8,088	12,471	.08
Hides and leather	33,039	8,548	41,587	.26
Products of mines:				
Anthracite coal	537,740	51,043	588,783	3.63
Bituminous coal	1,007,025	258,289	1,265,314	7.80
Coke	109,366	2,261	111,627	.69
Ores	4,672,812	2,636	4,675,448	28.83
Stone, sand and other like articles	401,490	62,520	464,210	2.86
Salt	63,648	3,270	66,918	.41
Products of forest:				
Lumber, including shingles	920,638	271,333	1,191,971	7.36
Logs	926,168	44,268	970,436	5.98
Manufactures:				
Petroleum and other oils	177,174	3,930	181,174	1.12
Sugar	27,312	5,392	32,704	.20
Naval stores	519	97	616	
Iron, pig and bloom	211,425	27,027	238,452	1.47
Iron and steel rails	32,908	576	33,484	.21
Other castings and machinery	111,312	12,112	123,424	.76
Bar and sheet metal	179,001	15,301	194,302	1.20
Cement, brick and lime	243,435	47,253	290,688	1.79
Agricultural implements	62,976	13,609	76,585	.47
Wagons, carriages, tools, etc.	114,283	46,183	160,466	.99
Wines, liquors and beers	210,966	5,800	216,766	1.34
Household goods and furniture	83,913	12,676	96,589	.60
Merchandise	952,261	185,439	1,137,700	7.02
Miscellaneous:				
Other commodities not mentioned above	856,660	52,573	909,233	5.61
Total tonnage	14,123,676	2,091,415	16,215,091	100

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	760	3,643	4,403	.09
Flour	290	3,981	4,271	.09
Other mill products	318	1,278	1,596	.03
Hay	1,102	6,604	7,706	.15
Fruit and vegetables, including potatoes	810	463	1,273	.03
Products of animals:				
Live stock	1,185	295	1,480	.03
Dressed meats	83	574	657	.01
Other packing house products	389	120	509	.01
Poultry, game and fish	164	3	167	----------
Wool	1	----------	1	----------
Hides and leather	70	11	81	----------
Products of mines:				
Anthracite coal	5,136	3,142	8,278	.16
Bituminous coal	30,429	7,383	37,812	.74
Ores	4,420,664	----------	4,420,664	87.05
Stone, sand and other like articles	10,075	499	10,574	.21
Salt	73	----------	73	----------
Products of forest:				
Lumber, including shingles	192,093	5,781	197,874	3.90
Logs	330,539	4,303	334,842	6.59
Manufactures:				
Petroleum and other oils	848	45	891	.02
Sugar	----------	12	12	----------
Naval stores	1	----------	1	----------
Iron, pig and bloom	11,031	36	11,067	.22
Iron and steel rails	316	----------	316	----------
Other castings and machinery	2,337	163	2,500	.05
Bar and sheet metal	470	187	657	.01
Cement, brick and lime	842	968	1,810	.04
Agricultural implements	6	14	20	----------
Wagons, carriages, tools, etc.	174	128	302	.01
Wines, liquors and beers	1,453	57	1,510	.03
Household goods and furniture	1,514	134	1,648	.03
Merchandise	13,440	1,152	14,592	.29
Miscellaneous:				
Other commodities not mentioned above	9,900	651	10,551	.21
Total tonnage	5,036,415	41,624	5,078,039	100.00

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

American Express Co.

By an agreement with American Express Company of date April 16, 1894, to be in force until the first day of April, 1899. The C. & N. W. R'y Co. agrees to transport the freight of the express company over all lines operated by the railway company, aggregating 5,066 miles for an annual payment of $550,659.96 (with provision for an extra payment for facilities on special trains), for an estimated limited tonnage and an agreed schedule of rates for exceptional excess of tonnage.

The express company does a miscellaneous business properly belonging to express business.

They deliver their freight into this company's cars.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

The entire length of road is afforded telegraph facilities by the lines of the Western Union Telegraph Company in which this company owns certain wires, or rights to their use.

Transportation companies.

SLEEPING, DRAWING ROOM AND PALACE CAR COMPANIES.

What sleeping, drawing room, chair or other palace passenger cars, not the exclusive property of your own or some other railroad company, have, during the year, been in use on your road in the State of Michigan, and on what terms? If rented by you, or allowed mileage between local points in this State, what was the amount paid for the use of such cars during the period under report?

Sleeping cars owned by the Wagner Palace Car Co. have been in use on portions of this company's road in Michigan. The car company maintains the cars and fixes and collects the charges from passengers for accommodations in same.

For the use of the cars the C. & N. W. R'y Co. pays a mileage.

This company has paid the Wagner Palace Car Co. of New York for mileage of their cars in Michigan, during the year, $2,361.16.

Fast freight lines.

To what fast freight lines, or other transportation companies, running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid.

This company has no cars of other companies or lines in use exclusively for traffic between local points in the State of Michigan.

Cars of other companies coming into the State with inter state freight may do some business between local points, but the mileage applicable to such limited traffic cannot be separated.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

April 5, Jno. Stewart, Menominee. Walking on track, struck by train; carelessness.
June 22, M. Tehan, switchman, Ironwood. Coupling cars; want of caution.
August 3, A. Wessman, Felch Junction. Boarding moving train; carelessness.
September 11, C. Gilbertson, Choste. Lying on track, run over; carelessness.
October 10, A. Michaels, car repairer, Escanaba. Caught between car and truck; want of caution.
October 29, Jas. Mitzler, laborer, Escanaba. Fell from ore dock; want of caution.
November 6, A. D. Harding, switchman, Crystal Falls. Derailment, thrown under car; accidental.
November 16, B. Coholsky, Ironwood. Walking on track, struck; carelessness.
November 23, unknown man, Ford River. Walking on track, struck; carelessness.
December 14, A. Hogan, Houles. Walking on track, struck; carelessness.
December 25, L. Englert, Carney. Walking on track, struck; carelessness.

INJURED.

March 15, H. Kronberg, Negaunee. Boarding moving engine; carelessness.
March 26, A. Hanson, Nadeau. Walking on track, struck by train; carelessness.
April 12, Chas. Matson, Hart's Siding. Walking on track, struck by train; carelessness.
May 3, R. E. Fleming, Delaughrey. Boarding moving train; carelessness.
May 30, George Wargo, section laborer, Ironwood. Walking on track, struck; want of caution.
May 31, Wm. Smith, Beaver. Collision; accidental.
May 31, C. E. Huntsberger, Beaver. Collision; accidental.
May 31, M. Griffin, Beaver. Collision; accidental.
June 14, Jno. Budrick, section foreman, Theyer's Siding. Thrown off hand car; want of caution.
July 17, J. Lindell, section laborer, Escanaba. Standing on track, struck; want of caution.
August 7, Jno. Larson, Escanaba. Slid out of ore pocket into vessel; want of caution.
August 29, B. Norgren, Antoine. Getting on moving train; carelessness.
September 2, S. Kaersec, Iron Mountain. Walking on track, struck; carelessess.
September 18, C. Curl, brakeman, Marinesco. Climbing down car, fell. Want of caution.
September 30, A. Pepin, Brakeman, Atkinson. Coupling cars; want of caution.
October 3, J. Morris, Negaunee. Jumped off moving train; carelessness.
October 19, J. Charboneau, brakeman, Ishpeming. Coupling cars; want of caution.
November 1, T. White, brakeman, Escanaba. Coupling engine and way car; want of caution.
November 20, Jno. Foley, Norway. Fell from steam shovel; want of caution.
November 30, P. Johnson, laborer, Escanaba. Fell into ore pocket; want of caution.
December 12, J. Carney, switchman, Ishpeming. Fell from car; want of caution.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Collisions				3		
Coupling cars		1			3	
Derailments		1				
Falling from trains					1	
Getting on and off trains			1		1	
Miscellaneous		2			4	2
Trespassers on trains						4
Trespassers on tracks			6			3
Total		4	7	3	9	9

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	11
Number of persons injured during the year	21
Number of casualities purely accidental	4
Number resulting from lack of caution, carelessness or misconduct	28

CLASSIFICATION OF EMPLOYÉS.

KILLED OR INJURED IN MICHIGAN.

	Killed.	Injured.	Total.
Brakemen		4	4
Laborers	1	3	4
Shopmen	1		1
Yardmen	2	1	3
Not classified above		1	1
Total	4	9	13

STATE OF ILLINOIS, }
COUNTY OF COOK, } ss.

M. Hughitt, president, and J. B. Redfield, auditor, of the Chicago & Northwestern Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

M. HUGHITT,
J. B. REDFIELD.

Subscribed and sworn to before me this 25th day of February, A. D. 1896.

[L. S.] [Signed]

J. F. CLEVELAND,
Notary Public.

ANNUAL REPORT

OF THE

CHICAGO & WEST MICHIGAN RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed April 8, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, NATHANIEL THAYER, Boston, Mass.
Vice President, EUGENE V. R. THAYER, Boston, Mass.
Secretary, CHARLES MERRIAM, Boston, Mass.
Auditor, U. B. ROGERS, Grand Rapids, Mich.
Treasurer, CHARLES MERRIAM, Boston, Mass.
General Manager, CHARLES M. HEALD, Grand Rapids, Mich.
General Superintendent, J. K. V. AGNEW, Grand Rapids, Mich.
Assistant Superintendent, F. M. DRAKE, Grand Rapids, Mich.
General Auditor, C. W. COURTRIGHT, Boston, Mass.
Chief Engineer, J. J. McVEAN, Grand Rapids, Mich.
Superintendent of Telegraph, F. H. CARR, Grand Rapids, Mich.
Assistant Treasurer, JAMES E. HOWARD, Grand Rapids, Mich.
General Passenger Agent, GEO. DEHAVEN, Grand Rapids, Mich.
General Freight Agent, F. V. DAVIS, Grand Rapids, Mich.
Solicitor, F. A. NIMS, Muskegon, Mich.

DIRECTORS.

NATHANIEL THAYER, Boston, Mass.
CHARLES MERRIAM, Boston, Mass.
A. H. HARDY, Boston, Mass.
F. H. DAMON, Boston, Mass.
E. V. R. THAYER, Boston, Mass.
GEO. O. SHATTUCK, Boston, Mass.
C. F. ADAMS, Boston, Mass.
H. H. HUNNEWELL, Boston, Mass.
CHARLES M. HEALD, Grand Rapids, Mich.
Terms expire April 15, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: October 1, 1881.
Number of stockholders at date of last election: 650.
Number of stockholders in Michigan at same date: 5.
Amount of full paid stock held in Michigan at same date: $11,500.
Date of annual meeting of stockholders: Third Wednesday in April.
Fiscal year of company ends: December 31.
General offices of the company are located at Boston, Mass., and Grand Rapids, Mich.

GENERAL EXHIBIT.

		Debit.	Credit.
Total earnings from operation..	C. & W. M. R'y ..... $1,563,353 05 C. & N. M. R. R. n. p. 44 of lat. 160,694 89	.....	$1,724,047 44
Total expenses, including taxes		$1,404,097 01	
Net income			$319,950 43
Interest on funded debt		$400,528 02	
Interest on unfunded debt		4,605 63	
Balance for the year		$85,183 22	
Balance (profit and loss) last year			$158,917 27
Balance forward to next year			$73,734 05

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association :			
C. & W. M. R'y		$7,525,000 00	
C. & N. M. R. R.		1,500,000 00	
			$9,025,000 00
Par value of shares	$100 00		
Number of shares issued	74,482		
Amount paid in on common		$7,448,200 00	
Amount paid in on shares not issued—number 636		63,600 00	
Total amount paid in, as per books of the company			7,511,800 00
Paid in per mile of road owned by company, 575.74 miles			$13,047 21

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
Grand Rapids, Newaygo & Lake Shore R. R. 2d div. 1st mortgage bonds on 10 miles of road, Newaygo to White Cloud, Mich.	7%	June 1, 1905	Union Trust Co., New York City	$19,000 00
C. & W. M. R'y Co. mortgage on 483.12 miles of consolidated line, subject to above described mortgage	5%	Dec. 1, 1921	Company's office, Boston, Mass.	5,758,000 00
C. & N. M. R. R. 1st mortgage on 92.614 miles of road, Traverse City to Elk Rapids to Petoskey, principal and interest guaranteed by the C. & W. M. R'y Co.	5%	May 1, 1931	Boston, Mass.	1,667,000 00
The Mich. Equip't Co., l't'd, 1st mortgage on rolling stock purchased with proceeds of bonds, principal and interest guaranteed by the C. & W. M. R'y Co.	6%	June 1, 1902	Boston, Mass.	318,000 00
C. & W. M. R'y Co., ten-year coupon scrip, issued Nov. 1, 1894, in payment of 50% of C. & N. M. 5% bonds, due Nov. 1, 1894	5%	Nov. 1, 1904	Boston, Mass.	20,787 50
Issued Dec. 1, 1894, in payment of 50% of C. & W. M. 5% bonds, due Dec. 1, 1894	5%	Dec. 1, 1904	Boston, Mass.	70,212 50
Issued May 1, 1895, in payment of 50% of C. & N. M. 5% bonds, due May 1, 1895	5%	May 1, 1905	Boston, Mass.	20,725 00
Issued June 1, 1895, in payment of 50% of C. & W. M. 5% bonds, due June 1, 1895	5%	June 1, 1905	Boston, Mass.	69,912 50
Issued Nov. 1, 1895, in payment of 50% of C. & N. M. 5% bonds, due Nov. 1, 1895	5%	Nov. 1, 1905	Boston, Mass.	20,050 00
Issued Dec. 1, 1895, in payment of 50% of C. & W. M. 5% bonds, due Dec. 1, 1895	5%	Dec. 1, 1905	Boston, Mass.	63,650 00
Total funded debt				$8,027,337 50

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated.	Amount.
For construction For equipment For real estate For renewals For miscellaneous For current balances	To be paid from earnings	$500,351 91

RECAPITULATION.

Total funded debt	$8,027,337 50
Total unfunded debt	500,351 91
Total debt liabilities	$8,527,689 41
Amount of debt liabilities per mile of road, 575.74 miles	14,811 70
Total amount of stock and debt	16,039,489 41
Stock and debt per mile of road, 575.74 miles	27,858 91

GENERAL BALANCE SHEET—Dr.

Construction account:		
C. & W. M. R'y		$11,052,756 19
C. & N. M. R. R.		1,809,519 04
Equipment account		1,503,485 59
Equipment account, Michigan Equipment Co. (L't'd)		818,000 00
Other investments:		
C. & W. M. R'y stock script	$21 30	
Muskegan Lake R. R. stock	32,600 00	
C. & N. M. R. R. capital stock	810,000 00	
		842,621 30
Cash items:		
Cash	$84,028 10	
Bills receivable	173,075 21	
Due from agents	28,247 83	
		285,351 14
Other assets:		
Materials and supplies	$114,181 79	
Sinking funds	4,460 10	
Debit balances from companies and individuals	180,848 31	
		299,490 20
Total		$16,113,228 46

GENERAL BALANCE SHEET—Cr.

Capital stock		$7,511,800 00
Funded debt		8,027,337 50
Unfunded debt:		
Interest unpaid	$312,198 12	
Dividends unpaid	15 00	
Notes payable	50,000 00	
Vouchers and accounts	131,169 38	
Other liabilities (list as follows):		
Net traffic balance due other companies	35,509 81	
Sinking Fund, Michigan Equipment Co. (L't'd)	20,460 10	
		500,351 91
Profit and loss or income accounts		73,734 05
Total		$16,113,228 46

COST OF ROAD AND EQUIPMENT.

Purchased by present company.

When purchased: October 1, 1881.	
Original cost to present company of road and equipment	$8,578,430 34
Amount expended since purchase, account of construction	3,016,313 11
Amount expended since purchase, account of equipment	962,497 83
Total cost to date of report	12,557,241 78
Average cost per mile of road (not including sidings) 483.12 miles	25,991 97
Proportion of cost for Michigan, 448.66 miles	11,661,557 26

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Extensions and new sidings	$830 00
New buildings	21,365 99
Second hand cars	6,854 83
Real estate	1,748 93
Lake Harbor R. R.	38,399 64
Total charges	$69,199 38
Total charges to property account as above	69,199 38
Property sold and credited	1,000 00
Net addition to property account	68,199 38

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

	Local fares.	Through fares.	Total passenger fares.	Express and baggage.	Mails.	Total.	Per train mile.	Per mile of road.
Main line and branches	$460,162 09	$15,129 39	$475,291 48	$31,682 87	$49,282 04	$556,306 39	$0 78	$1,239 70
Leased or proprietary roads: C. & N. M. R. R., north of parallel 44 of latitude	75,398 20		75,398 20	6,418 81	8,479 77	90,296 78		974 92
Total passenger department earnings	$535,560 29	$15,129 39	$550,689 68	$38,051 68	$57,781 81	$646,503 17		

FREIGHT EARNINGS.

	Local traffic.	Through traffic.	Total traffic.	Other sources, freight department.	Total.	Per train mile.	Per mile of road.
Main line and branches	$868,862 08	$23,773 14	$892,635 22	$1,816 48	$894,451 70	$1 43	$1,998 60
Leased or proprietary roads: C. & N. M. R. R., north of parallel 44 of latitude	70,397 61		70,397 61		70,397 61		760 07
Total freight department earnings	$939,259 69	$23,773 14	$963,032 83	$1,816 48	$964,849 31		

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$570,903 73	
Through fares	16,291 42	
Total passenger fares	$587,195 15	
Express and baggage	40,481 29	
Mails	61,546 99	
Total passenger department earnings		$689,223 43
Per train mile	$0 78	
Per mile of road	$1,197 11	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$1,005,993 94	
Through traffic	25,599 07	
Total traffic	$1,031,593 01	
Other sources, freight department	1,956 00	
Total freight department earnings		1,033,549 01
Per train mile	$1 43	
Per mile of road	1,795 17	
Total transportation earnings, entire lines:		
C. & W. M. R'y	$1,562,078 05	
C. & N. M. R. R	160,694 39	
		$1,722,772 44
Transportation earnings per mile of road	$2,992 28	
Transportation earnings per train mile	1 07	
Miscellaneous receipts from operating account, other than for transportation as follows:		
From other sources		1,275 00
Total earnings from operation of road		$1,724,047 44
Total earnings from operation of road:		
C. & W. M. R'y	$1,563,353 05	
C. & N. M. R. R.	160,694 39	
		1,724,047 44
Total earnings per mile of road	$2,994 49	
Total earnings per train mile	1 07	
Proportion of taxable earnings for Michigan	1,451,842 15	
Total taxable earnings per mile of road in Michigan	3,235 95	
Total income from all sources		1,724,047 44
Proportion of income for Michigan:		
C. & W. M. R'y	$1,451,842 15	
C. & N. M. R. R.	160,694 39	
		1,612,536 54

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$199,232 44
Renewals of rails	28,320 12
Renewals of ties	71,043 51
Repairs and renewals of bridges and culverts	28,198 22
Repairs and renewals of fences, road crossings, signs and cattle guards	22,725 77
Repairs and renewals of buildings and fixtures	29,704 06
Stationery and printing. See general expense.	
Total	$379,125 12

MAINTENANCE OF EQUIPMENT.

Superintendence. See salaries of general officers.	
Repairs and renewals of locomotives	$72,597 49
Repairs and renewals of passenger cars	47,833 57
Repairs and renewals of freight cars	70,324 76
Stationery and printing. See general expense.	
Total	$190,754 82

CONDUCTING TRANSPORTATION.

Superintendence. See salaries of general officers.	
Engine and roundhouse men	$126,494 34
Fuel for locomotives	183,650 82
Water supply for locomotives	11,383 18
Oil, tallow and waste for locomotives	9,110 41
Train service	101,614 56
Train supplies and expenses	4,548 07
Switchmen, flagmen and watchmen	51,137 81
Telegraph expenses	29,386 40
Station service	107,841 86
Station supplies	8,341 78
Car mileage—balance	13,179 22
Loss and damage	9,446 83
Injuries to persons	12,722 51
Advertising	10,512 55
Outside agencies	15,252 31
Rents for tracks, yards and terminals / Rent of buildings and other property	6,230 62
Stationery and printing. See general expense.	
Total	$689,953 27

GENERAL EXPENSES.

Salaries of general officers	$29,149 80
Salaries of clerks and attendants	42,514 79
General office expenses and supplies	4,679 78
Insurance	6,546 84
Law expenses	7,340 47
Stationery and printing	10,586 77
Other expenses	3,862 40
Taxes	39,583 95
Total	$144,263 80

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	27.00	$379,125 12
Maintenance of equipment	13.59	190,754 82
Conducting transportation	49.14	689,953 27
General expenses, including taxes	10.27	144,263 80
Total operating expenses and taxes	100.00	$1,404,097 01
Operating expenses and taxes per mile of road		$3,438 77
Operating expenses and taxes per train mile run, for trains earning revenue, 1,608,485 miles		87
Total proportion of expenses and taxes for Michigan		1,320,057 43
Percentage of expenses to earnings	81.44	
Net earnings per mile of road		555 72
Net earnings per train mile		20

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini: December, 3, 1852.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Indiana state line to Traverse City	266.14	
In Indiana, from Michigan state line to LaCrosse	34.46	
Total length completed		300.60

BRANCHES.

From Allegan to Pentwater	98.30	
From Big Rapids Junction to Big Rapids	51.50	
From Mears to Hart	3.80	
From Muskegon to Kirk's Junction	11.90	
From Pickards to Fruitport	1.80	
From Muskegon to Port Sherman	5.60	
From Clary to Honor	9.62	
Total length of branches owned by company		182.52

	Miles.
Total length of branches owned by company in Michigan	182.52
Total length of road belonging to this company	453.12
Total length of road belonging to this company in Michigan	448.66
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	174.40
Aggregate length of tracks in Michigan belonging to this company, computed as single track	623.06

Gauge of track, 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

Name, description and length of each:	Total miles.	In Michigan.
Chicago & North Michigan R. R., north of parallel 44 of latitude	92.62	92.62
Total miles operated by the company		575.74

If north of parallel 44 of latitude:
Yes.

Date road commenced to be built:
May 15, 1891.

Date road completed:
July 15, 1892.

Date road commenced to be operated:
June 26, 1892.

Where built, from and to:
Traverse City to Bay View, 79.04; Elk Rapids to Williamsburg, 9.50; Ironton to Cherrie, 4.08.

Give exact number of miles:
92.62.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	7	699
Stone bridges	1	20
Iron bridges	20	2,713
Combination bridges	4	688
Wooden trestles	160	19,778.5
Total	192	23,898.5

Draw bridges in Michigan.

How many on your line? 7

Where located, when built, and length of draw span:	feet.
1. St. Joseph, built 1889	234
2. New Richmond, built 1882	60
3. Grand Rapids, built 1882	162
4. Muskegon, built 1891	46
5. Montague, built 1894	46
6. Elk Rapids, built 1892	101
7. Charlevoix, built 1892	214

Character of structure:
Nos. 1, 3 and 7, through trusses, two openings; Nos. 4 and 5, deck girders, one opening; No. 6, through girder, one opening.

Material of which constructed:
Nos. 1, 4, 5, 6 and 7, iron; others, iron and wood.

Height above water and depth of water under bridge:	Feet above water.	Water feet deep.
No. 1	18	15
No. 2	20	9
No. 3	13	8
No. 4	7½	4
No. 5	6½	6
No. 6	4	10
No. 7	13	15

How swung, by engine or hand power?
By hand power.

Approaches straight or curved?
Nos. 1, 2 and 3 curved, 4, 5, 6 and 7 straight.

Do you require all trains to come to full stop before crossing a draw, and how are they signaled?
Yes; flagged by watchmen.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
South Haven & Eastern R. R. at Hartford.
Michigan Central R. R. at Grand Junction.
Lake Shore & Michigan Southren R. R., near Grandville.
Grand Rapids & Indiana R. R. at Godfreys, Grand Rapids, Mill Creek and Traverse City.
Flint & Pere Marquette R. R. at Baldwin.
Manistee & Luther R. R. at Peters.
Manistee & North Eastern at Manistee Crossing, Bear Creek, Interlochen.
Ann Arbor R. R. at Thompsonville.
Toledo, Saginaw & Muskegon R. R. at Muskegon and Sparta.
Detroit, Grand Haven & Milwaukee R. R. at D. & M. Junction.

What railroads cross your road either over or under your grade in this State, and where?
Under:
Michigan Central, at 1½ miles south of New Buffalo.

At what crossings are interlocking and derailing switches in operation?
South Haven & Eastern R'y at Hartford.
Michigan Central R. R. at Grand Junction.
Lake Shore & Michigan Southern R. R., near Grandville.
Grand Rapids & Indiana R. R. at Godfrey, Grand Rapids and Traverse City.
Flint & Pere Marquette R. R. at Baldwin.
Manistee & Luther R. R. at Peters.
Manistee & North Eastern R. R. at Bear Creek, Manistee Crossing, Interlochen.
Ann Arbor R. R. at Thompsonville.
Toledo, Saginaw & Muskegon R'y at Muskegon and Sparta.

What pattern or patterns have you adopted?
Gravett, Allentown, Johnson, Union Switch and Signal Company's.

Number of crossings of highways at grade in this State	651
Number of crossings of highways at grade in this State at which there are gates or flagmen	27
Number of crossings at which there are electric or automatic signals	1

What pattern or patterns in use?
O'Neill.

Numbers of crossings of highways over or under railroad: over, 14; under, 11	25
Number of highway bridges 18 feet above track	13
Number of highway bridges less than 18 feet above track	1

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Hart guards and blocked with plank.

Stations.

Number of stations on whole lines	108
Same in Michigan	101

Employés.

Number of persons regularly employed on all roads operated by company, including officials	1,498
Same in Michigan	1,438

Classify your employés as per following list:	Number.
Baggagemen	12
Brakemen	71
Conductors	42
Engineers	71
Firemen	69
Laborers	516
Shopmen	102
Yardmen	49
Others	566

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	891

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
Newaygo, Oceana, Lake, Antrim and Charlevoix counties — 88

Road bed and track.

Number of track sections in Michigan		103
Average lengths of sections, miles	5.2	
Average number of men in each section gang		3
Number of new ties put in whole line during the year. { switch 15,623 / cross 299,144 }		314,767
Number of new ties put in track in Michigan		301,120
Average number of new ties per mile of road		546
New rails put in track:		
Steel, 1,050 tons, 750 pounds; miles	19.11	
Total miles of track laid with new rails	9.555	

Bridges and culverts.

Amount of trestle work replaced with earth during the year, linear feet	868
	Number.
Timber culverts replaced during the year	40
With iron pipe	10
With sewer pipe	30
New bridges built during the year—number	12

No.	Location.	Kind.	Material.	Month built.	Feet in length.
76.1	Coloma	Cattle pass	Wood	April	9
113.6	Fennville	" "	"	December	10
140.8	Hudsonville	Pile trestle	"	April	54½
146	Grandville	" "	"	June	182
152.2	Grand Rapids	" "	"	July	250
158.3	Mill Creek	" "	"	April	16
162.6	Alpine	Cattle pass	"	May	9
172.4	Kent City	Pile trestle	"	December	30
174.4	Casnovia	" "	"	November	56
A13.0	Hamilton	Frame trestle	"	October	275
B54.2	Big Rapids	Pile trestle	"	March	56
	Honor	Howe truss and trestle	"	August	116½
Total					1,064

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	54	$189,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	21	52,500 00
Number of locomotives of 10 to 20 tons weight, exclusive of tender	1	1,000 00
Total	76	$242,500 00
Number of passenger cars, 8-wheel, including official cars	47	$117,500 00
Number of express and baggage cars	26	39,000 00
Number of box freight cars	1,761	440,250 00
Number of stock cars	25	6,250 00
Number of platform cars	1,035	181,125 00
Number of conductors' way cars	31	6,200 00
Other cars as follows: Log, 24; tool, 5; excavators, 2; pile driver, 1; snow plows, 6; painter, 1; carpenter, 3	42	7,600 00
Total	2,967	$797,925 00

Number of locomotives equipped with power brakes	73
Number of passenger train cars equipped with power brakes	73
Number of freight cars equipped with power brakes	334

What patterns of power brakes have you in use, and number of locomotives and cars with each?

Locomotives, Westinghouse	54
Locomotives, New York	9
Locomotives, American steam	10
Passenger cars, Westinghouse	73
Freight cars	334

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 38, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Gould.

How are your passenger cars heated?
Steam.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	883,685	820,507
Miles run by freight trains during the year	724,800	672,951
Miles run by mixed trains	64,144	59,558
Total mileage of trains earning revenue	1,608,485	1,498,486

Passenger traffic.—Entire lines.

	Number.	Miles.	Rate.
Number of through passengers carried, earning revenue	7,362		
Number of local passengers carried, earning revenue	843,737		
Total number of passengers carried, earning revenue	851,099		
Number of passengers carried one mile	27,711,332		
Average distance carried		32.559	
Average amount received from each passenger			$0 68.998
Average receipts per mile for through passengers			01.229
Average receipts per mile for local passengers			02.164
Average receipts per passenger per mile for all passengers			01.119

Passenger traffic.—In State of Michigan.

Number of through passengers carried, earning revenue	6,837		
Number of local passengers carried, earning revenue	783,555		
Total number of passengers carried, earning revenue	791,392		
Number of passengers carried one mile	25,784,729		
Average distance carried		30.236	
Average amount received from each passenger			$0 64.072
Average receipts per mile for through passengers			01.141
Average receipts per mile for local passengers			02.010
Average receipts per passenger per mile for all passengers			01.968

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	23,474		
Number of tons of local freight carried, earning revenue	1,181,789		
Total tons of freight carried, earning revenue	1,205,263		
Total mileage of through freight		3,135,841	
Total mileage of local freight		83,276,372	
Total freight mileage or tons carried one mile		86,412,213	
Average ton haul for through freight		133.588	
Average ton haul for local freight		70.466	
Average ton haul for all freight		71.696	
Average amount received for each ton haul			$0 85.591
Average receipts ton per mile, for through freight			00.816
Average ton receipts per mile, for local freight			01.208
Average receipts ton per mile, for all freight			01.194

Freight traffic.—In State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	21,800		
Number of tons of local freight carried, earning revenue	1,097,494		
Total tons of freight carried, earning revenue	1,119,294		
Total mileage of through freight		2,912,168	
Total mileage of local freight		77,336,435	
Total freight mileage or tons carried one mile		80,248,603	
Average ton haul for through freight		134.059	
Average ton haul for local freight		65.440	
Average ton haul for all freight		66.552	
Average amount received for each ton haul			$0 79.486
Average receipts ton per mile, for through freight			00.758
Average receipts ton per mile, for local freight			01.121
Average receipts ton per mile, for all freight			01.108

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	19,007	30,023	49,030	4.07
Flour	15,731	2,868	18,599	1.54
Other mill products	301		301	.02
Hay	16,347	5,088	21,435	1.78
Fruit and vegetables	48,949	16,721	65,670	5.45
Products of animals:				
Live stock	8,945	1,216	10,161	.84
Dressed meats	142	1,465	1,607	.13
Other packing house products	207	3,695	3,902	.32
Poultry, game and fish	685	4	689	.07
Wool	259	99	358	.03
Hides and leather	4,725	4,000	8,725	.72
Products of mines:				
Anthracite coal	53	20,980	21,033	1.75
Bituminous coal	11	77,184	77,195	6.40
Stone, sand, and other like articles	53,529	1,251	53,780	4.46
Salt	19	7,311	7,330	.61
Products of forest:				
Lumber	505,136	57,706	562,842	46.70
Charcoal	10,790	8,682	19,472	1.62
Manufactures:				
Petroleum and other oils	2,919	4,061	6,980	.58
Iron, pig and bloom	19,592	1,218	20,810	1.73
Iron and steel rails	304	1,168	1,472	.12
Other castings and machinery	1,171	909	2,080	.17
Bar and sheet metal	20	1,382	1,402	.12
Cement, brick and lime	39,162	5,479	44,641	3.71
Agricultural implements	1,263	893	2,156	.18
Wagons, carriages, tools, etc.	1,694	842	2,536	.21
Wines, liquors and beers	2,331	3,009	5,330	.44
Household goods and furniture	25,147	1,427	26,574	2.20
Merchandise	89,977	24,922	114,899	9.53
Miscellaneous:				
Other commodities not mentioned above	36,700	17,554	54,254	4.50
Total tonnage	904,106	301,157	1,205,263	100.00

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	18,349	15,797	34,146	3.09
Flour	15,028	2,652	17,680	1.60
Other mill products	301		301	.03
Hay	12,414	3,944	16,358	1.48
Fruit and vegetables	48,945	16,495	65,440	5.92
Products of animals:				
Live stock	8,916	1,194	10,110	.92
Dressed meats	142	1,465	1,607	.15
Other packing house products	207	3,695	3,902	.35
Poultry, game and fish	655	4	659	.06
Wool	259	95	354	.03
Hides and leather	4,675	3,253	7,928	.72
Products of mines:				
Anthracite coal	53	14,096	14,149	1.28
Bituminous coal	11	36,459	36,470	3.30
Stone, sand, and other like articles	52,529	1,054	53,583	4.85
Salt	19	7,289	7,308	.66
Products of forest:				
Lumber	504,789	50,860	555,599	50.28
Charcoal	10,780	3,046	13,826	1.70
Manufactures:				
Petroleum and other oils	2,853	945	3,798	.34
Iron, pig and bloom	19,592	1,049	20,641	1.87
Iron and steel rails	304	43	347	.03
Other castings and machinery	1,161	679	1,840	.16
Bar and sheet metal	17	405	422	.04
Cement, brick and lime	38,794	2,367	41,161	3.72
Agricultural implements	1,108	750	1,858	.17
Wagons, carriages, tools, etc.	597	824	1,421	.13
Wines, liquors and beers	2,308	2,627	4,935	.45
Household goods and furniture	25,100	1,286	26,386	2.39
Merchandise	88,821	19,189	108,010	9.77
Miscellaneous:				
Other commodities not mentioned above	36,532	13,309	49,841	4.51
Total tonnage	895,239	209,881	1,105,120	100.00

ADDITIONAL QUESTIONS.

Express Companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

The American Express Company; at an agreed rate they handle their own freight at the railway company's depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

1,741 miles. 1,470 miles of wire belongs to the Western Union Telegraph Company; 271 miles of wire belongs to the Chicago & West Michigan Railway, strung on Western Union Telegraph Company's poles.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

January 21, J. Schurman, switchman, Grand Rapids. Fell from car; accidental.
March 29, Lyman H. Knapp, brakeman, Hart. Stubbed foot making coupling.
April 8, William Locks, citizen, Lee. Walking on track or stealing ride; carelessness.
June 5, I. F. Tyler, citizen, McDonald. Crossing over couplings; carelessness.
August 27, George Johnson, fireman, Grant. Fell from engine while lighting lamp; accidental.
August 30, Jacob Smith, citizen, Grand Rapids. Walking on track; carelessness.
September 3, Clara Smith, citizen, Newaygo. Walking on track; carelessness.
September 23, J. Atwood, citizen, Mill Creek. Walking on track; carelessness.
October 1, James Kenney, conductor, Mill Creek. Fell from moving train; accidental.
November 30, Thomas Latchford, citizen, Lamberton. Walking on track; carelessness.

INJURED.

January 27, B. Hannum, citizen, Lee. Fell from moving train; carelessness.
January 28, Frank Hall, citizen, White hall. Stealing ride; carelessness.
January 29, F. Murphy, switchman, Waverly. Coupling; accidental.
April 20, A. J. Emlow, citizen, Jenison. Fell from train; carelessness.
June 15, Frank White, John DeVos, M. DeVos, Henry Hendage, Henry Quist, Edw. L. Beekman, citizens, Grand Rapids. Bridge gave way while being repaired, and injured parties were spectators watching work; accidental.
September 24, Louis Rabideau, citizen, Muskegon. Child on track; carelessness.
November 29, William Gregory, citizen, Charlevoix. Runaway, collided with train; accidental.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars		1			1	
Falling from trains		3		2		
Miscellaneous						7
Trespassers on trains			1			1
Trespassers on tracks			5			1
Total		4	6	2	1	9

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	10
Number of persons injured during the year	12
Number of casualties purely accidental	12
Number resulting from lack of caution, carelessness or misconduct	10
Persons killed or injured while intoxicated	1
Trespassers and tramps killed or injured	5

CLASSIFICATION OF EMPLOYÉS.

KILLED OR INJURED IN MICHIGAN.

	Killed.	Injured.	Total.
Baggagemen	1		1
Brakemen	1		1
Firemen	1		1
Yardmen	1	1	2
Total	4	1	5

STATE OF MICHIGAN, }
COUNTY OF KENT, } ss.

Charles M. Heald, general manager, and U. B. Rogers, auditor, of the Chicago & West Michigan Railway Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed CHAS. M. HEALD,
U. B. ROGERS.

Subscribed and sworn to before me this 6th day of April, A. D. 1896.
[L. S.]

ERNEST N. WELLER,
Notary Public, Kent Co., Mich.

ANNUAL REPORT

OF THE

CHICAGO & NORTH MICHIGAN RAILROAD COMPANY.

For the year ending December 31, 1895.

[Filed April 22, 1896.]

NAMES AND RESIDENCES OF OFFICERS OF THE COMPANY.

President, CHARLES M. HEALD, Grand Rapids, Mich.
Vice President, WM. ALDEN SMITH, Grand Rapids, Mich.
Secretary, GEO. F. WEIDMAN, Grand Rapids, Mich.
Treasurer and Transfer Agent, F. H. DAMON, Boston, Mass.
Manager, CHAS. M. HEALD, Grand Rapids, Mich.

ORGANIZATION, ETC.

When chartered or articles of association filed: March 2, 1891.
Number of stockholders at date of last election: 8.
Number of stockholders in Michigan at same date: 6.
Date of annual meeting of stockholders: Third Wednesday in April.
General offices of the company are located at Grand Rapids, Mich.

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Character and date of issue.	Rate of interest.	When due.	Payable when.	Amount outstanding.
Chicago & North Michigan R. R. first mortgage 93.61 miles of road, Traverse City to Elk Rapids to Petoskey, principal and interest guaranteed by the Chicago & West Michigan R'y Co.	5%	May 1, 1921	May 1, Nov. 1	$1,667,000 00

UNFUNDED DEBT.

Included in C. & W. M. R'y report.

Total indebtedness	$1,667,000 00

COST.

Of real estate, including right of way, of depot buildings and fixtures, elevators and belongings, and of all other property	$1,809,519 04

TRACK.

Length of single main track, miles	79.04
Length of branches, miles	13.58
Length of sidings and other tracks—miles	16.05
Total track	108.67

ANALYSIS OF EARNINGS IN MICHIGAN.

PASSENGER.

Local fares	$75,396 20	
Total fares		$75,396 20
Express and baggage		6,418 81
Mail		8,479 77
Total		$90,296 78
Per mile of road	$974 93	

FREIGHT.

Local traffic	$70,397 61	
Total traffic		70,397 61
Per mile of road	$760 07	
Total transportation earnings		$160,694 39
Transportation earning per mile of road	1,734 99	
Total earnings from operation of road		160,694 39
Total earnings per mile of road	1,734 99	

EXPENSES.

Included in C. & W. M. R'y report.

ADDITIONAL INTERROGATORIES.

If north of parallel 44 of latitude?
Yes.

Give date road commenced to be built:
May 15, 1891.

Give date road completed:
July 15, 1892.

Give date road commenced to be operated:
June 26, 1892.

Where built from and to:
Traverse City to Bay View, 79.04 miles.
Elk Rapids to Williamsburg, 9.50 miles.
Ironton to Cherrie, 4.08 miles.

Give exact number of miles.
92.62 miles.

STATE OF MICHIGAN, } ss.
COUNTY OF KENT. }

Charles M. Heald, President, and Geo. F. Weidman, Secretary, of the Chicago & North Michigan Railroad Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of the said company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed CHAS. M. HEALD,
GEO. F. WEIDMAN.

Subscribed and sworn to before me this 20th day of April, A. D. 1896.
[L. S.] ERNEST N. WELLER,
Notary Public.

ANNUAL REPORT

OF THE

CINCINNATI, JACKSON & MACKINAW RAILWAY COMPANY,

FRANK B. DRAKE, *Receiver.*

For the year ending December 31, 1895.

[Filed May 14, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, CALVIN S. BRICE, New York.
Vice President, GEO. L. BRADBURY, Indianapolis, Ind.
Secretary and Treasurer, L. M. SCHWAN, New York.
Auditor, W. F. BOOTH, Toledo, Ohio.
General Manager, F. B. DRAKE, Toledo, Ohio.
Superintendent, J. B. FLANDERS, Toledo, Ohio.
Division Superintendent, W. T. BACKUS, Van Wert, Ohio.
Cashier, O. A. WILSON, Toledo, Ohio.
General Passenger Agent, T. C. M. SCHINDLER, Toledo, Ohio.
General Freight Agent, C. W. COOK, Toledo, Ohio.
Counsel, SWAYNE, HAYES & TYLOR, Toledo, Ohio.
Receiver, FRANK B. DRAKE, Toledo, Ohio.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: Receiver appointed December 6, 1894.
Fiscal year of company ends: June 30.
General offices of the receiver are located at Toledo, Ohio.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$637,391 99
Total expenses, including taxes	$577,622 07	
Net income		$59,769 92
Rentals of buildings, tracks, etc.	$18,380 49	
Balance applicable to dividends		$41,389 43
Balance for the year		41,389 43
Balance, profit and loss, last year		4,808 18
Balance forward to next year		$46,197 61

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

For current balances	$192,606 56
Total unfunded debt	$192,606 56
Total debt liabilities	192,606 56
Amount of debt liabilities per mile of road, 346.7 miles	555 54
Stock and debt per mile of road, 346.7 miles	555 54

GENERAL BALANCE SHEET.—Dr.

Construction account } Equipment account.. } Improvements	$89,310 08	
Other investments:		
The Cincinnati, Jackson & Mackinaw R'y Co.	30,663 33	
		$119,973 41
Cash items:		
Cash	$6,026 67	
Due from agents	40,272 82	
		46,299 49
Other assets:		
Materials and supplies	$36,337 89	
Debit balances from companies and individuals	16,865 85	
Unearned insurance	177 85	
Union Trust Co.	2,100 00	
The Cincinnati Northern R'y Co.	23,086 56	
		78,467 65
Total		$244,740 55

GENERAL BALANCE SHEET.—Cr.

Funded debt:		
Suspense accounts	$4,498 25	
Destroyed car fund	1,443 13	
		35,936 38
Unfunded debt:		
Vouchers and accounts	$174,745 61	
Other liabilities:		
Taxes accrued	17,860 95	
		192,606 56
Profit and loss or income accounts		46,197 61
Total		$244,740 55

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Extensions and new sidings	$22,499 05
Improvements, main line	20,314 33
New buildings	35,350 29
New fences	312 09
New locomotives	442 70
New cars	6,608 37
Total	$86,426 73
Total charges to property account as above	86,426 73
Net addition to property account	86,426 73

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$62,697 41	
Through fares	11,822 96	
Total passenger fares	$74,520 37	
Express and baggage	17,183 21	
Mails	12,238 07	
Total passenger department earnings		$103,941 65
Per train mile	$0 56	
Per mile of road	608 68	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$153,770 24	
Through traffic	50,810 19	
Total traffic	$204,580 43	
Total freight department earnings		204,580 43
Per train mile	$0 97	
Per mile of road	1,188 17	

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$126,247 00	
Through fares	23,806 61	
Total passenger fares	$150,053 61	
Express and baggage	34,599 96	
Mails	24,642 48	
Total passenger department earnings		$209,296 05
Per train mile	$0 56	
Per mile of road	603 68	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$309,630 50	
Through traffic	102,310 97	
Total traffic	$411,941 47	
Total freight department earnings		411,941 47
Per train mile	$0 97	
Per mile of road	1,188 17	
Total transportation earnings, entire line		$621,237 52
Transportation earnings per mile of road, 346.7 miles		1,791 85
Transportation earnings per train mile, 792,115 miles		78
Miscellaneous receipts from operating account, other than for transportation, as follows:		
From other sources		16,154 47
Total earnings from operation of road		$637,391 99
Total earnings per mile of road, 346.7 miles	$1,838 45	
Total earnings per train mile, 792,115 miles	80	
Proportion of taxable earnings for Michigan	$16,544 80	
Total taxable earnings per mile of road in Michigan, 172.13 miles	1,338 45	
Total income from all sources		$637,391 99
Proportion of income for Michigan		316,544 80

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$59,955 35
Renewals of rails	60 59
Renewals of ties	36,690 06
Repairs and renewals of bridges and culverts	21,049 21
Repairs and renewals of fences, road crossings, signs and cattle guards	6,763 29
Repairs and renewals of buildings and fixtures	7,368 70
Repairs and renewals of telegraph	1,218 55
Stationery and printing	61 05
Total	$133,666 82

MAINTENANCE OF EQUIPMENT.

Superintendence	$9,662 01
Repairs and renewals of locomotives	49,955 14
Repairs and renewals of passenger cars	16,359 55
Repairs and renewals of freight cars	45,485 13
Repairs and renewals of work cars	105 08
Repairs and renewals of shop machinery and tools	1,655 32
Stationery and printing	326 55
Total	$123,548 78

CONDUCTING TRANSPORTATION.

Superintendence	$16,284 00
Engine and roundhouse men	52,796 77
Fuel for locomotives	56,228 18
Water supply for locomotives	3,971 22
Oil, tallow and waste for locomotives	2,206 49
Other supplies for locomotives	291 82
Train service	39,651 90
Train supplies and expenses	4,458 61
Switchmen, flagmen and watchmen	10,488 54
Telegraph expenses	18,186 46
Station service	35,041 26
Station supplies	3,670 36
Loss and damage	2,275 08
Injuries to persons	1,381 29
Clearing wrecks	261 79
Advertising	1,561 30
Outside agencies	6,100 45
Commissions	198 12
Rent of buildings and other property	1,788 68
Stationery and printing	4,270 40
Total	$261,122 06

GENERAL EXPENSES.

Salaries of general officers	$9,600 00
Salaries of clerks and attendants	9,308 65
General office expenses and supplies	3,243 74
Insurance	438 74
Law expenses	4,609 05
Stationery and printing (general offices)	1,141 92
Other expenses	621 47
Taxes	30,330 89
Total	$59,284 46

RECAPITULATION OF EXPENSES.

Maintenance of way and structures		$133,666 83
Maintenance of equipment		123,548 73
Conducting transportation		261,123 06
General expenses, including taxes		59,284 46
Total operating expenses and taxes		$577,622 07
Operating expenses and taxes per mile of road		$1,666 06
Operating expenses and taxes per train mile run, for trains earning revenue, 792,115 miles		73
Total proportion of expenses and taxes for Michigan		285,361 56
Percentage of expenses to earnings	90.62%	
Net earnings per mile of road		172 39
Net earning per train mile		07.5

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
Main line:
From Dundee Mich. to Allegan, Mich., Nov. 29, 1883.
From Addison Junction, Mich., to C. C. C. & St. L. Junction, Ohio, July 10, 1889.

Branches:
From Lewisburg, Ohio, to Quarries, 1887.
From Germantown, Ohio, to Rohrers, 1887.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Dundee to Allegan	139	
In Michigan, from Addison Junction to State line	22.18	
In Ohio, from State line to C. C. C. & St. L. Junction	165.32	
Total length completed		320.50

BRANCHES.

Euphemia, from Lewisburg to Quarries	1.4	
Mud Lick, from Germantown to Rohrers	1.8	
Total length of branches owned by company		3.20
Total length of road belonging to this company		323.70
Total length of road belonging to this company in Michigan	155.18	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	17.47	
Aggregate length of tracks in Michigan belonging to this company computed as single track		172 65

Gauge of track 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

Name, description and length of each:	Total miles.	In Michigan.
Under trackage contracts:		
Wheeling & Lake Erie R'y: Toledo, Ohio, to Manhattan Junction, Ohio	2.1	
Toledo, Ann Arbor and North Michigan R'y: Manhattan Junction, Ohio, to Dundee, Michigan	20.9	17.
Total	23.	17.
Total miles operated by the company	346.7	172.18

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	1	144
Wooden trestles	158	14,876
Total	159	15,020

Crossings.—Railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Wabash R. R. at Britton.
L. S. & M. S. R. R. at Tecumseh, Hanover, Homer and Allegan.
Michigan Central R. R. at Homer and Battle Creek.
Chicago & Grand Trunk R. R. at Battle Creek.
Chicago, Kalamazoo & Saginaw R. R. at Kalamazoo Junction.
Grand Rapids & Indiana R. R. at Monteith.

What railroads cross your road either over or under your grade in this State, and where?
Over:
L. S. & M. S. R. R. at Jerome and Hudson.
Under:
Michigan Central R. R. at Augusta.

At what crossings are interlocking and derailing switches in operation?
Chicago, Kalamazoo & Saginaw R'y, Kalamazoo Junction.
Michigan Central R'y, Battle Creek.
Michigan Central R'y, Homer.
Lake Shore & Michigan Southern R'y, Homer.

Number of crossings of highways at grade in this State	187
Number of crossings of highways at grade in this State at which there are gates or flagmen	2
Number of crossings of highways over or under railroad: over 1; under 5	6
Number of highway bridges, 13 feet above track	1

Have safety guards been erected at overhead obstructions?
Yes.
Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.
How are they treated?
Wooden blocks.

Stations.

Number of stations on whole lines	83
Same in Michigan	37

Employés.

Number of persons regularly employed on all roads operated by company, including officials	774
Same in Michigan	398

Classify your employés as per following list:	Number.
Baggagemen	8
Brakemen	44
Conductors	23
Engineers	33
Firemen	33
Laborers	243
Shopmen	75
Yardmen	8
Others	309

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	296.46
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:	
Lenawee county	1.11

Road bed and track.

Number of track sections in Michigan	23
Average lengths of sections, miles	6.74
Average number of men in each section gang	3
Number of new ties put in whole line during the year	106,303
Number of new ties put in track in Michigan	43,844
Average number of new ties per mile of road	313

Bridges and culverts.

Amount of trestle work replaced with earth during the year, linear feet	1,714
Timber culverts replaced during the year	4
With iron pipe—number	2
With sewer pipe—number	2

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	28	$84,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	1	2,000 00
Total	29	$86,000 00
Number of passenger cars—12-wheel, including official cars	1	$2,000 00
Number of passenger cars—8 wheel, including official cars	20	38,400 00
Number of express and baggage cars	3	3,600 00
Number of box freight cars	1,050	210,000 00
Number of stock cars	15	1,800 00
Number of platform cars	232	29,200 00
Number of coal cars	113	16,950 00
Number of conductors' way cars	13	5,200 00
Other cars as follows:		
Steam shovel	2	4,000 00
Derrick	1	1,500 00
Total	1,453	$312,750 00

Number of locomotives equipped with power brakes	29
Number of passenger train cars equipped with power brakes	24

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse, 10 locomotives, 24 cars; New York air, 6 locomotives; Eames vacuum, 2 locomotives; American steam, 11 locomotives.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Janney, Standard, Tower and Buckeye.

How are your passenger cars heated?
Steam 21, Spear heater 2, Baker heater 1.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	341,651	169,672
Miles run by freight trains during the year	334,396	166,069
Miles run by mixed trains	116,068	57,642
Total mileage of trains earning revenue	792,115	393,384

Passenger traffic.—Entire lines.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	26,674		
Number of local passengers carried, earning revenue	282,583		
Total number of passengers carried, earning revenue	309,257		
Number of passengers carried one mile	7,428,138		
Average distance carried		24.01	
Average amount received from each passenger			$0 48.52
Average receipts per mile for through passengers			01.77
Average receipts per mile for local passengers			02.08
Average receipts per passenger per mile for all passengers			02.02

Passenger traffic.—In State of Michigan.

Number of through passengers carried, earning revenue	13,247		
Number of local passengers carried, earning revenue	140,338		
Total number of passengers carried, earning revenue	153,585		
Number of passengers carried one mile	3,688,999		
Average distance carried		24.01	
Average amount received from each passenger			$0 48.52
Average receipts per mile for through passengers			01.77
Average receipts per mile for local passengers			02.08
Average receipts per passenger per mile for all passengers			02.02

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	140,330		
Number of tons of local freight carried, earning revenue	472,354		
Total tons of freight carried, earning revenue	612,684		
Total mileage of through freight		14,849,453	
Total mileage of local freight		41,538,868	
Total freight mileage or tons carried one mile		56,388,321	
Average ton haul for through freight		105.8	
Average ton haul for local freight		88.0	
Average ton haul for all freight		92	
Average amount received for each ton haul			$0 67
Average receipts ton per mile, for through freight			00.689
Average ton receipts per mile, for local freight			00.745
Average receipts ton per mile, for all freight			00.731

Freight traffic.—In State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	69,691		
Number of tons of local freight carried, earning revenue	234,583		
Total tons of freight carried, earning revenue	304,274		
Total mileage of through freight		7,374,610	
Total mileage of local freight		20,629,240	
Total freight mileage, or tons carried mile		28,003,850	
Average ton haul for through freight		105.8	
Average ton haul for local freight		88	
Average ton haul for all freight		92	
Average amount received for each ton			$0 67
Average receipts ton per mile, for through freight			00.689
Average receipts ton per mile, for local freight			00.745
Average receipts ton per mile, for all freight			00.731

FREIGHT TRAFFIC MOVEMENT—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on his road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	47,166	4,388	51,554	8.41
Flour	3,604	1,861	5,465	.89
Other mill products	770	926	1,696	.28
Hay	20,875	1,571	22,446	3.66
Tobacco	3,477	211	3,688	.60
Fruit and vegetables	2,726	3,767	6,493	1.06
Products of animals:				
Live stock	11,650	723	12,373	2.02
Dressed meats	96	15	111	.02
Other packing house products	983	181	1,164	.19
Poultry, game and fish	692	24	716	.12
Wool	283	21	304	.05
Hides and leather	159	68	227	.04
Products of mines:				
Anthracite coal	1,272	12,448	13,720	2.24
Bituminous coal	1,029	268,248	269,277	43.95
Coke	93	632	725	.12
Ores	----------	25	25	.00
Stone, sand and other like articles	17,710	3,658	21,368	3.49
Salt	33	1,380	1,413	.23
Products of forest:				
Lumber	12,223	33,204	45,427	7.42
Other than lumber	35,934	8,448	44,382	7.24
Manufactures:				
Petroleum and other oils	1,539	5,087	6,626	1.08
Sugar	369	1,804	2,173	.35
Iron, pig and bloom	66	22,396	22,462	3.67
Iron and steel rails	30	2,943	2,973	.48
Other castings and machinery	4,004	13,466	17,470	2.85
Cement, brick and lime	1,123	4,723	5,866	.96
Agricultural implements	407	1,434	1,841	.30
Wagons, carriages, tools, etc.	325	669	994	.16
Wines, liquors and beers	1,484	3,101	4,585	.75
Household goods and furniture	1,391	1,643	3,034	.50
Merchandise	7,926	9,352	17,278	2.82
Ice	5,550	94	5,644	.92
Miscellaneous:				
Other commodities not mentioned above	6,484	12,681	19,165	3.13
Total tonnage	191,482	421,202	612,684	100

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	23,442	2,181	25,623	8.41
Flour	1,791	925	2,716	.89
Other mill products	383	460	843	.28
Hay	10,375	781	11,156	3.66
Tobacco	1,728	105	1,833	.60
Fruit and vegetables	1,355	1,872	3,227	1.06
Products of animals:				
Live stock	5,790	359	6,149	2.02
Dressed meats	48	7	55	.02
Other packing house products	488	90	578	.19
Poultry, game and fish	344	12	356	.12
Wool	141	10	151	.05
Hides and leather	79	34	113	.04
Products of mines:				
Anthracite coal	632	6,186	6,818	2.24
Bituminous coal	511	133,319	133,830	43.95
Coke	46	314	360	.12
Ores	----------	12	12	.00
Stone, sand and other like articles	8,802	1,818	10,620	3.49
Salt	16	686	702	.23
Products of forest:				
Lumber	6,075	16,502	22,577	7.42
Other than lumber	17,859	4,199	22,058	7.24
Manufactures:				
Petroleum and other oils	765	2,528	3,293	1.08
Sugar	183	897	1,080	.35
Iron, pig and bloom	33	11,131	11,164	3.67
Iron and steel rails	15	1,463	1,478	.48
Other castings and machinery	1,990	6,692	8,682	2.85
Cement, brick and lime	563	2,353	2,916	.96
Agricultural implements	202	712	914	.30
Wagons, carriages, tools, etc.	162	332	494	.16
Wines, liquors and beers	738	1,541	2,279	.75
Household goods and furniture	691	817	1,508	.50
Merchandise	3,939	4,648	8,587	2.82
Ice	2,758	47	2,805	.92
Miscellaneous:				
Other commodities not mentioned above	3,223	6,302	9,525	3.13
Total tonnage	95,167	209,335	304,502	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

American Express Co.; fixed sum per month: general express business; freight taken at depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

242 5-10 miles; Western Union Telegraph Co.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

INJURED.

July 23, 1895, Stephen Kies, 3 months old child, Hanover, Mich. Crept on track; trespassing.

STATE OF OHIO, }
COUNTY OF LUCAS, } ss.

Frank B. Drake, receiver, and W. F. Booth, auditor, of the Cincinnati, Jackson & Mackinaw Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

FRANK B. DRAKE, *Receiver.*
W. F. BOOTH, *Auditor.*

Subscribed and sworn to before me this 13th day of May, A. D. 1896.

[L. S.]

ROBERT TUCKER,
Notary Public, Lucas County, Ohio.

ANNUAL REPORT

OF THE

CINCINNATI, SAGINAW & MACKINAW RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, A. W. WRIGHT, Alma, Mich.
Vice President, CHARLES M. HAYS, Montreal, Province of Quebec.
Secretary and Treasurer, JAMES H. MUIR, Detroit, Mich.
General Manager, WILLIAM J. SPICER, Detroit, Mich.
Superintendent, A. B. ATWATER, Detroit, Mich.
Mechanical Superintendent, HERBERT ROBERTS, Detroit, Mich.
Chief Engineer, GEORGE MASSON, Detroit, Mich.
General Passenger and Ticket Agent, W. E. DAVIS, Chicago, Ill.
General Freight Agent, DAVID BROWN, Chicago, Ill.
Solicitor, E. W. MEDDAUGH, Detroit, Mich.

DIRECTORS.

A. M. WRIGHT, Alma, Mich.
CHARLES M. HAYS, Montreal, Province of Quebec.
W. R. BURT, Saginaw, Mich.
G. M. STARK, Saginaw, Mich.
E. W. MEDDAUGH, Detroit, Mich.
W. J. SPICER, Detroit, Mich.
S. O. FISHER, West Bay City, Mich.
Terms expire April 21, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When articles of association filed: dated December 23, 1889, filed December 30, 1889.
Number of stockholders at date of last election: 10.
Number of stockholders in Michigan at same date: 8.
Amount of full paid stock held in Michigan at same date: $676,500.
Date of annual meeting of stockholders: third Tuesday in April.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit and Saginaw (E. S.), Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$125,732 90
Total expenses, including taxes	$121,912 50	
Net income		$3,820 40
Interest on funded debt	$88,225 00	
Balance for the year	$84,404 60	
Balance brought from last year	25,820 75	
Advances by the Chicago & Grand Trunk R'y Co. and the Grand Trunk R'y Co. of Canada under traffic agreements, dated Oct. 2, 1890		$64,141 91
Balance carried forward to next year		46,083 44
	$110,225 35	$110,225 35

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$5,000,000 00
Par value of shares		$100 00	
Number of shares issued	15,000		
Amount paid in on common		$1,500,000 00	
Total amount paid in, as per books of the company			1,500,000 00
Paid in per mile of road owned by company, 53 miles			$28,301 88

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest per annum	When due.	Where payable.	Amount outstanding.
First mortgage bonds, issued Jan. 1, 1890	5%	Jan. 1, 1920	New York	$1,680,000 00
First mortgage bonds, issued June 30, 1895	5%	Jan. 1, 1920	" "	30,000 00
First mortgage bonds, issued Dec. 31, 1895	5%	Jan. 1, 1920	" "	7,000 00
Total funded debt				$1,717,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated.	Amount.
For construction For equipment For real estate For renewals For miscellaneous For current balances	Payable in cash	$244,710 63
Total unfunded debt		$244,710 63

RECAPITULATION.

Total funded debt	$1,717,000 00
Total unfunded debt	244,710 63
Total debt liabilities	$1,961,710 63
Amount of debt liabilities per mile of road, 53 miles	37,012 41
Total amount of stock and debt	3,461,710 63
Stock and debt per mile of road, 53 miles	65,315 29

GENERAL BALANCE SHEET—Dr.

Construction account Equipment account		$3,218,419 26
Cash items:		
Cash	$14,458 03	
Due from agents	3,690 65	
		48,148 68
Other assets:		
Materials and supplies	808 28	
Debit balances from companies and individuals	11,998 15	
		12,806 43
Chicago & Grand Trunk R'y Co. for C., S. & M. R. R. interest coupons pledged as security for advances under traffic agreement	$93,519 50	
Grand Trunk R'y Co. for ditto	42,733 32	
		136,252 82
Loss or income account		46,083 44
Total		$3,461,710 63

GENERAL BALANCE SHEET—Cr.

Capital stock	$1,500,000 00	
Funded debt	1,717,000 00	
		$3,217,000 00
Unfunded debt:		
Interest unpaid	$32,325 28	
Vouchers and accounts	20,453 54	
Other liabilities:		
Salaries and wages, paid January, 1896	$5,678 99	
Chicago & Grand Trunk R'y Co. for advances under traffic agreement	98,519 50	
Grand Trunk R'y Co., ditto	42,738 33	
		244,710 63
Total		$3,461,710 63

COST OF ROAD AND EQUIPMENT.

Purchased by present company.

When purchased: November 1, 1890.	
Original cost to present company of road and equipment	$3,180,000 00
Amount expended since purchase, account of construction	35,659 26
Amount expended since purchase, account of equipment	2,760 00
Total cost to date of report	3,218,419 26
Average cost per mile of road (not including sidings) 53 miles	60,724 89
Proportion of cost for Michigan	3,218,419 26

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Extensions and new sidings	$7,670 07
Total charges to property account as above	$7,670 07
Net addition to property account	7,670 07

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$38,040 53	
Through fares	8,014 83	
Total passenger fares	$36,055 36	
Express and baggage	1,746 90	
Mails	3,937 59	
Total passenger department earnings		$41,739 85
Per train mile	$0 65	
Per mile of road	$787 54	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$72,641 05	
Through traffic	20,989 22	
Total traffic	$93,630 27	
Total freight department earnings		93,630 27
Per train mile	$2 13	
Per mile of road	1,766 61	
Total transportation earnings, entire line		$135,370 12
Transportation earnings per mile of road	$2,554 15	
Transportation earnings per train mile	1 25	
Miscellaneous receipts from operating account, other than for transportation as follows:		
From telegraph companies, etc.		362 78
Total earnings from operation of road		$135,732 90
Total earnings per mile of road	$2,561 00	
Total earnings per train mile	1 25	
Proportion of taxable earnings for Michigan		135,732 90
Total taxable earnings per mile of road in Michigan		2,561 00
Total income from all sources		135,732 90
Proportion of income for Michigan		135,732 90

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$18,901 69
Renewals of rails	8,931 69
Renewals of ties	4,465 85
Repairs and renewals of bridges and culverts	3,207 59
Repairs and renewals of fences, road crossings, signs and cattle guards	808 63
Repairs and renewals of buildings and fixtures	2,386 96
Stationery and printing	45 50
Total	$38,747 91

MAINTENANCE OF EQUIPMENT.

Superintendence	$270 00
Repairs and renewals of locomotives	8,265 65
Repairs and renewals of passenger cars	6,128 31
Repairs and renewals of freight cars	4,368 51
Repairs and renewals of shop machinery and tools	522 81
Stationery and printing	90 50
Other expenses	3 63
Total	$19,644 41

CONDUCTING TRANSPORTATION.

Superintendence	$3,240 00
Engine and roundhouse men	15,129 91
Fuel for locomotives	11,197 14
Water supply for locomotives	630 98
Oil, tallow and waste for locomotives	471 52
Other supplies for locomotives	495 50
Train service	4,850 50
Train supplies and expenses	920 40
Switchmen, flagmen and watchmen	10,250 75
Telegraph expenses	2,215 00
Station service	14,055 12
Station supplies	1,565 08
Car mileage—balance	1,387 43
Loss and damage	349 21
Advertising	384 21
Outside agencies	722 72
Commissions	249 68
Stationery and printing	748 41
Total	$68,863 56

GENERAL EXPENSES.

General office expenses and supplies	$216 59
Insurance	725 51
Law expenses	292 40
Stationery and printing (general offices)	108 84
Other expenses	39 48
Taxes	3,273 80
Total	$4,656 52

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	29.27	$38,747 91
Maintenance of equipment	14.89	19,644 41
Conducting transportation	52.21	68,863 56
General expenses, including taxes	3.53	4,656 62
Total operating expenses and taxes	100.00	$131,912 50
Operating expenses and taxes per mile of road		2,488 91
Operating expenses and taxes per train mile run, for trains earning revenue, 108,656 miles		1 21
Total proportion of expenses and taxes for Michigan		131,912 50
Percentage of expenses to earnings	97.19	
Net earnings per mile of road		73 08
Net earnings per train mile	$0 03.5	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Durand, Mich., to West Bay City, Mich., January 11, 1890.

MAIN LINE.

	Miles.
In Michigan, from Durand to West Bay City	53
Total length completed	53
Total length of road belonging to this company	53
Total length of road belonging to this company in Michigan	53.00
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	32.47
Aggregate length of tracks in Michigan belonging to this company, computed as single track	85.47

Gauge of track, 4 feet 8½ inches.

C., S. & M. R. R. south of parallel 44 of latitude.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	1	299
Iron bridges	3	92
Combination bridges	2	281
Wooden trestles	30	3,508
Total	36	4,180

Draw bridges in Michigan.

How many on your line? 3

Where located, when built, and length of draw span:
One at Saginaw River, built in 1889, length of draw span 194 feet.
One 2 miles north of Batcheldor's, built in 1889, 88 feet long.
One 3 miles south of West Bay City, built in 1889, 88 feet long.

Character of structure:
Truss.

Material of which constructed:
1 stone and iron, and 2 of wood.
Heighth above water and depth of water under bridge:
Above water 20 feet, depth of water 12 feet.

How swung, by engine or hand power?
By hand power.

Approaches straight or curved?
Curved.

Do you require all trains to come to full stop before crossing a draw, and how are they signaled?
Yes; signaled with semaphores.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Flint & Pere Marquette R. R. at Maple Street, Saginaw (E. S.).
Flint & Pere Marquette R. R. at South Saginaw (Belt line).
Flint & Pere Marquette R. R. at Saginaw (E. S.) (dead line).
Michigan Central R. R. at Emerson St., Saginaw (E. S.).
Michigan Central R. R., north of River bridge, Saginaw (E. S.).
Flint & Pere Marquette R. R., north of River bridge, Saginaw (E. S.).
Michigan Central R. R. at Saginaw (E. S.) (Wright's spur.)
Flint & Pere Marquette R. R. at Mershon's.
Michigan Central at Lafayette & Hart streets, West Bay City.

At what crossings are interlocking and derailing switches in operation?
3 at Saginaw (E. S.).
3 at Saginaw (W. S.).
1 at Saginaw (S. S.).
1 at Mershon's.
2 at West Bay City.
What pattern or patterns have you adopted?
Union Switch and Signal Company's.

Number of crossings of highways at grade in this State	96
Number of crossings of highways at grade in this State at which there are gates or flagmen	10

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Plank blocking.

Stations.

Number of stations on whole lines, all in Michigan	21

Employés.

Number of persons regularly employed on all roads operated by company, including officials, all in Michigan	125

Classify your employés as per following list:	Number.
Baggagemen	2
Brakemen	5
Conductors	3
Engineers	6
Firemen	9
Laborers	38
Shopmen	9
Yardmen	9
Others	47

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	116

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed: None.

Road bed and track.

Number of track sections in Michigan		8
Average lengths of sections, miles	6⅝	
Average number of men in each section gang		4
Number of new ties put in whole line during the year, including sidings		26,347
Number of new ties put in track in Michigan, including sidings		26,347
Average number of new ties per mile of road		308

Bridges and culverts.

	Number.
Timber culverts replaced during the year:	
With iron pipe	2

ROLLING STOCK.

	Number.	Present estimated value
Number of locomotives of more than 30 tons weight, exclusive of tender	6	$20,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	2	5,000 00
Total	8	$25,000 00
Number of passenger cars, 12-wheel, including official cars	1	$3,000 00
Number of passenger cars, 8-wheel, including official cars	11	33,000 00
Number of express and baggage cars	2	3,000 00
Number of box freight cars	30	12,000 00
Number of platform cars	65	16,250 00
Number of conductors' way cars	2	600 00
Other cars as follows	1	500 00
Total	112	$68,350 00

Number of locomotives equipped with power brakes	8
Number of passenger train cars equipped with power brakes	14
Number of freight cars equipped with power brakes: None.	

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse air brake and Eames vacuum brake.

Engines, Westinghouse	5
Engines, Eames	3
Total	8
Passenger cars, Westinghouse air brake	14

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes; as they come in for repairs.

What pattern or patterns have you adopted for use?
"Janney."
How are your passenger cars heated?
Baker heater (hot water).

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	62,702	62,702
Miles run by freight trains during the year	37,993	37,993
Miles run by mixed trains	7,961	7,961
Total mileage of trains earning revenue	108,656	108,656

Passenger traffic.—Road all in State of Michigan.

	Number.	Miles.	Rate.
Number of through passengers carried, earning revenue	7,515		
Number of local passengers carried, earning revenue	63,438		
Total number of passengers carried, earning revenue	70,953		
Number of passengers carried one mile	1,586,384		
Average distance carried		22.4	
Average amount received from each passenger			$0 50.83
Average receipts per mile for through passengers			02.01
Average receipts per mile for local passengers			02.26
Average receipts per passenger per mile for all passengers			02.27

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	35,465		
Number of tons of local freight carried, earning revenue	124,204		
Total tons of freight carried, earning revenue	159,669		
Total mileage of through freight		1,879,645	
Total mileage of local freight		3,936,060	
Total freight mileage or tons carried one mile		5,815,705	
Average ton haul for through freight		53	
Average ton haul for local freight		31.7	
Average ton haul for all freight		36.4	
Average amount received for each ton haul			$0 58.64
Average receipts ton per mile, for through freight			01.13
Average receipts ton per mile, for local freight			01.85
Average receipts ton per mile, for all freight			01.61

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	3,127	3,187	6,314	3.95
Flour	1,158	132	1,290	.81
Other mill products	398	72	470	.29
Hay	6,367	290	6,657	4.17
Tobacco		44	44	.03
Fruit and vegetables	1,026	954	1,980	1.24
Potatoes	114	106	220	.14
Products of animals:				
Live stock	1,398	206	1,604	1.01
Dressed meats	175	75	250	.16
Other packing house products	80		80	.05
Poultry, game and fish	628	7	635	.40
Wool	67		67	.04
Hides and leather	270	105	375	.23
Products of mines:				
Anthracite coal	120	3,450	3,570	2.24
Bituminous coal	3,697	3,869	7,566	4.74
Stone, sand, and other like articles	688	132	820	.51
Salt	28,585	15	28,600	17.91
Products of forest:				
Lumber	57,476	1,879	59,355	37.17
Logs	871		871	.55
Shingles	6,386	208	6,594	4.13
Manufactures:				
Petroleum and other oils		262	262	.16
Sugar		1,144	1,144	.72
Iron, pig and bloom	594	380	974	.61
Iron and steel rails	392	162	554	.35
Other castings and machinery	236	933	1,169	.73
Bar and sheet metal		357	357	.22
Cement, brick and lime	312	1,999	2,311	1.38
Agricultural implements	3	201	204	.13
Wagons, carriages, tools, etc.	7	179	186	.12
Wines, liquors and beers		296	296	.19
Household goods and furniture	121	124	245	.15
Merchandise	2,022	3,430	5,452	3.41
Miscellaneous:				
Other commodities not mentioned above	16,048	3,205	19,253	12.06
Total tonnage	132,266	27,403	159,669	100.00

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

The National Express Company pays one and a half times the company's local first-class freight rates for 100 lbs. on all local merchandise. For all produce one and a fourth times the company's local first-class freight rates per 100 lbs. For all through business the same rate as produce. Railway company takes freight at depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

Cannot say. Postal Telegraph-Cable Company.

Fast freight lines.

To what fast freight lines, or other transportation companies running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid?

Name of company.	General office.	Amount paid.
Armour Car Lines	Chicago, Ill.	$10 67
Anglo-American Refrigerator Car Co.	Chicago, Ill.	1 86
Arms Palace Horse Car Co.	Chicago, Ill.	1 33
American Refrigerator Transit Co.	St. Louis, Mo.	33
Burton Stock Car Co.	Chicago, Ill.	3 05
Boyd, Lunham & Co.	Chicago, Ill.	2 38
Continental Fruit Express	Chicago, Ill.	29
Chicago Refrigerator Car Line	Chicago, Ill.	1 60
California Fruit Transportation Co.	Chicago, Ill.	92
Canda Cattle Car Co.	Chicago, Ill.	70
Central Equipment Co.	Terre Haute, Ind.	29
Chicago, New York and Boston Refrigerator Line	Boston, Mass.	113 02
Excelsior Horse Car Line	Chicago, Ill.	98
Eureka Transportation Co.	Indianapolis, Ind.	3 15
Freeman Bros.	Pontiac, Mich.	64
Hammond Refrigerator Line	Hammond, Ind.	58
Live Poultry Transportation Co.	Chicago, Ill.	89
Merchants Despatch Transportation Co.	New York, N. Y.	11 72
National Car Co.	St. Albans, Vt.	356 40
Chicago, Boston and Liverpool Line	St. Albans, Vt.	90 34
Street's Western Stable Car Line	Chicago, Ill.	80
Swift's Refrigerator Line	Chicago, Ill.	64
Union Trunk Line	New York, N. Y.	1 61
Union Refrigerator Transit Co.	St. Louis, Mo.	1 75
Venice Transportation Co.	St. Louis, Mo.	64
Western Rolling Stock and Equipment Co.	Chicago, Ill.	47
Total		$606 95

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

February 26, John Long, citizen, Lennon. Run over; suicide.

INJURED.

April 1, John Colsen, sectionman, West Bay City. Run over; his carelessness.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

William J. Spicer, general manager, and James H. Muir, secretary and treasurer, of the Cincinnati, Saginaw & Mackinaw Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

W. J. SPICER, *General Manager*,
J. H. MUIR, *Secretary and Treasurer*.

Subscribed and sworn to before me this 30th day of March, A. D. 1896.

[L. S.]

LAWRENCE F. LANG,
Notary Public in and for Wayne County, Mich.

ANNUAL REPORT

OF THE

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY COMPANY,

For the year ending December 31, 1896.

[Filed March 23, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, M. E. INGALLS, Cincinnati, Ohio.
Vice President, J. D. LAYNG, New York City.
Secretary, E. F. OSBORN, Cincinnati, Ohio.
Auditor, P. A. HEWITT, Cincinnati, Ohio.
Treasurer, F. D. COMSTOCK, Cincinnati, Ohio.
General Manager, C. E. SCHAFF, Cincinnati, Ohio.
General Superintendent, J. Q. VAN WINKLE, Indianapolis, Ind.
Michigan Division Superintendent, S. T. BLIZARD, Wabash, Ind.
Chief Engineer, G. W. KITTREDGE, Cincinnati, Ohio.
Superintendent of Telegraph, C. S. RHOADS, Indianapolis, Ind.
General Passenger Agent, D. B. MARTIN, Cincinnati, Ohio.
General Freight Agent, E. F. COST, Cincinnati, Ohio.
Attorney, J. T. DYE, Indianapolis, Ind.

DIRECTORS.

C. VANDERBILT, New York City.
W. K. VANDERBILT, New York City.
C. M. DEPEW, New York City.
J. P. MORGAN, New York City.
M. E. INGALLS, Cincinnati, Ohio.
Terms expire October, 1897.
GEO. BLISS, New York City.
H. McK. TWOMBLY, New York City.
JAS. D. LAYNG, New York City.
JNO. T. DYER, Indianapolis, Ind.
W. P. ANDERSON, Westerly, R. I.
Terms expire October, 1898.
JAMES BARNETT, Cleveland, Ohio.
ALEX McDONOLD, Cincinnati, Ohio.
GEO. A. FARLOW, Boston, Mass.
Terms expire October, 1898.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: Consolidated C. C. C. & St. L. R'y Co. June 27, 1889.
Number of stockholders at date of last election: 2,582.
Number of stockholders in Michigan at same date: 9.
Amount of full paid stock held in Michigan at same date: 215 shares.
Date of annual meeting of stockholders: Last Wednesday in October.
Fiscal year of company ends June 30th.
General offices of the company are located at Cincinnati, Ohio.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$13,976,703 99
Total expenses, including taxes	$10,425,057 78	
Net income		$3,551,646 21
Interest on funded debt	$2,642,197 32	
Rentals of buildings, tracks, etc. (excluded above)	204,467 07	
		2,846,664 39
Balance applicable to dividends		$704,981 82
Dividends declared, 5 per cent on preferred stock	$500,000 00	
Balance for the year		$204,981 82
Balance (profit and loss) last year		226,247 67
		$431,229 49
Items not included in above, as follows; Received from sundry balances of accounts		23,372 88
Balance forward to next year		$454,602 37

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association	Common	$28,700,000 00	
	Preferred	10,000,000 00	
			$38,700,000 00
Par value of shares	$100 00		
Number of shares issued	379,873.35		
Amount paid in on common		$27,987,335 00	
Amount paid in on preferred		10,000,000 00	
C. S. & C. preferred stock and scrip assumed in consolidation		428,997 45	
Total amount paid in, as per books of the company			$38,416,332 45
Paid in per mile of road owned by company, 1,807.21 miles			21,257 26

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
I. C. & L. mortgage, Feb. 1, 1867	7%	2-1-1897	New York	$379,000 00
C. L. & C., 1st mortgage, July 1, 1871	7%	9-1-1901	New York	792,000 00
C. I., St. L. & C., 1st consolidated mortgage, March 8, 1880	6%	5-1-1920	New York	724,000 00
C., I. St. L. & C., gen. 1st mort. Aug. 2, 1886	4%	8-1-1936	New York	7,685,000 00
B. & I. R. R., 1st mort., Jan. 1, 1864	7%	1-1-1899	New York	88,000 00
C. C. C. & I. R. R., 1st mort., S. F., May 1, 1869	7%	5-1-1899	New York	3,000,000 00
C. C. C. & I. R. R., 1st consol. mort. June 1, 1874	7%	6-1-1914	New York	4,158,000 00
C. C. C. & I. R'y, gen. consol. mort. Jan. 1, 1884	6%	1-1-1934	New York	3,205,000 00
I. & St. L. R. R., 1st mort., July 1, 1869	7%	7-1-1919	New York	2,000,000 00
I. & St. L. R'y, 1st mort., Nov. 1, 1882	6%	11-1-1912	New York	500,000 00
C. & S. R'y, 1st mort., Feb. 22, 1871	7%	4-1-1901	New York	2,000,000 00
C. & S. R'y, 2d mort., Jan. 1, 1872	7%	1-1-1902	New York	125,000 00
C. C. C. & St. L. R'y (C. V. & C. R'y) 1st mort., Jan. 1, 1890	4%	1-1-1989	New York	5,000,000 00
C. S. & C. R. R., 1 consol. mort., Jan. 1, 1888	5%	1-1-1928	New York	2,571,000 00
C. C. C. & St. L., (S. & C. div.) mort., Oct. 30, 1890	4%	9-1-1940	New York	1,103,730 00
C. C. C. & St. L. (W. W. V. div.), mort. Nov. 1, 1890	4%	7-1-1940	New York	650,000 00
C. C. C. & St. L. (St. L. div., 1st col. trust) mort., Nov. 1, 1890	4%	11-1-1990	New York	10,000,000 00
C. C. C. & St. L. R'y (C. W. & M. div.) mort. May 9, 1891	4%	7-1-1991	New York	4,000,000 00
C. C. C. & St. L. R'y, gen. mort. bonds, June 1, 1893	4%	6-1-1993	New York	5,000,000 00
Total funded debt				$52,980,730 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For equipment	To be paid in cash	$930,258 98
For miscellaneous	To be paid in cash	2,140,086 53
For current balances		2,085,015 34
Total unfunded debt		$5,155,360 85

RECAPITULATION.

Total funded debt	$52,980,730 00
Total unfunded debt	5,155,360 85
Total debt liabilities	$58,136,090 85
Amount of debt liabilities per mile of road, 1,807.21 miles	32,168 97
Total amount of stock and debt	96,553,423 30
Stock and debt per mile of road 1,807.21 miles	53,426 23

GENERAL BALANCE SHEET.—DR.

Construction account		$35,381,784 19
Equipment account		
Other investments:		
Bonds owned	$2,770,353 21	
Stock owned	975,360 67	
Investments in and advances to branch lines	4,634,333 11	
Real estate, etc.	87,484 47	
		98,839,315 65
Cash items:		
Cash	$1,062,190 09	
Bills receivable	14,269 28	
Due from agents	108,425 69	
		1,184,885 06
Other assets:		
Materials and supplies	$659,230 52	
Sinking funds	309,806 92	
Debit balances from companies and individuals	1,013,787 52	
		1,983,824 96
Total		$97,007,025 67

GENERAL BALANCE SHEET.—CR.

Capital stock	$38,416,332 45	
Funded debt	52,980,730 00	
		$91,397,062 45
Unfunded debt:		
Interest unpaid	$356,519 89	
Dividends unpaid	130,141 64	
Notes payable	1,053,425 00	
Vouchers and accounts	3,114,365 34	
Other liabilities (list as follows):		
Equipment notes	930,258 98	
Bonds drawn for redemption and unredeemed	70,650 00	
		5,155,360 85
Profit and loss or income accounts		454,602 37
Total		$97,007,025 67

COST OF ROAD AND EQUIPMENT.

Total cost for construction and equipment of road and branches built by company.

See below. The C. C. C. & St. L. R'y is a consolidation of various roads, none of which were built by the present company.

Purchased by present company.

When purchased: Consolidated June 27, 1889.	
Original cost to present company of road and equipment	$45,303,500 39
Amount expended since consolidation account of equipments and additional roads acquired by purchase and consolidation since June 27, 1889	40,078,283 80
Total cost to date of report	85,381,784 19
Average cost per mile of road, not including sidings, 1,807.21 miles	47,245 08
Proportion of cost for Michigan	1,579,563 00

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

No charges or credits to property accounts during the year. All disbursements under above headings charged to operating expenses.

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$26,525 39	
Through fares	4,648 32	
Total passenger fares	$31,173 71	
Express and baggage	2,009 67	
Mails	2,929 42	
Total passenger department earnings		$36,112 80
Per train mile	$0 54.8	
Per mile of road	1,081 22	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$44,548 73	
Through traffic	52,422 50	
Total traffic	$96,971 23	
Total freight department earnings		96,971 23
Per train mile	$1 798	
Per mile of road	2,903 33	

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$3,940,303 67	
Through fares	996,586 79	
Total passenger fares	$3,936,890 46	
Express and baggage	355,929 09	
Mails	477,407 08	
Total passenger department earnings		$4,770,226 63
Per train mile	$0 85.1	
Per mile of road	2,578 03	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	4,117,519 80	
Through traffic	4,845,842 68	
Total traffic	$8,963,362 48	
Total freight department earnings		8,963,362 48
Per train mile	$0 1.267	
Per mile of road	4,844 17	
Total transportation earnings, entire line		$13,733,589 11
Transportation earnings per mile of road		7,422 19
Transportation earnings per train mile		1 07
Miscellaneous receipts from operating account, other than for transportation, as follows:		
From rents of tracks, yards and terminals	$162,335 84	
From rents not otherwise provided for	80,779 04	
		243,114 88
Total		$13,976,703 99

What pattern or patterns in use?
Pneumatic.

Number of crossings of highways over or under railroad: over, 2; under, 1	3
Number of highway bridges 18 feet above track	2

Have safety guards been erected at overhead obstructions?
Not needed.

Are your frogs and guard rails blocked as required by act 174, session laws of 1883?
Yes?

How are they treated?
Blocked with wooden blocks.

Stations.

Number of stations on whole lines	521
Same in Michigan	8

Employés.

Number of persons regularly employed on all roads operated by company, including officials	9,654
Same in Michigan	78

Classify your employés as per following list:	Number.
Baggagemen	84
Brakemen	519
Conductors	276
Engineers	442
Firemen	442
Laborers	2,514
Shopmen	1,711
Yardmen	678
Others	2,888

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	66.8

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
None.

Road bed and track.

Number of track sections in Michigan	5
Average length of sections, miles	6.68
Average number of men in each section gang	4
Number of new ties put in whole line during the year	579,949
Number of new ties put in track in Michigan	15,000
Average number of new ties per mile of road	231
New rails put in track:	
Steel, tons, 3,700.	
Total miles of track laid with new rails	35.2

Bridges and culverts.

Timber culverts replaced during the year:	
With iron pipe—number	14

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	430	$1,935,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	32	80,000 00
Total	462	$2,015,000 00
Number of passenger cars—12-wheel, including official cars	23	334,400 00
Number of passenger cars—8-wheel, including official cars	246	492,000 00
Number of express and baggage cars	98	147,000 00
Number of box freight cars	9,272	3,523,360 00
Number of stock cars	442	128,470 00
Number of platform cars	1,305	351,000 00
Number of ore cars	1,228	276,300 00
Number of conductors' way cars	217	75,950 00
Other cars	246	36,900 00
Total	13,578	$7,140,380 00

Number of locomotives equipped with power brakes, Westinghouse	421
Number of passenger train cars equipped with power brakes, all Westinghouse quick action.	367
Number of freight cars equipped with power brakes, Westinghouse air	3,447

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse air brakes.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Master car builders' standard.

How are your passenger cars heated?
By steam.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	5,602,582	65,870
Miles run by freight trains during the year	7,071,988	54,065
Miles run by mixed trains	134,937	.....
Total mileage of trains earning revenue	12,809,507	119,935

Passenger traffic.—Entire lines.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	367,575		
Number of local passengers carried, earning revenue	5,166,665		
Total number of passengers carried, earning revenue	5,534,240		
Number of passengers carried one mile	201,742,675		
Average distance carried		36.5	
Average amount received from each passenger			$0 71
Average receipts per mile for through passengers			01.725
Average receipts per mile for local passengers			02.042
Average receipts per passenger per mile for all passengers			01.951
Estimated cost of carrying each passenger one mile			01.839

Passenger traffic.—In State of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	9,624		
Number of local passengers carried, earning revenue	49,961		
Total number of passengers carried earning revenue	59,585		
Number of passengers carried one mile	1,568,452		
Average distance carried		26.3	
Average amount received from each passenger			$0 53
Average receipts per mile for through passengers			01.725
Average receipts per mile for local passengers			02.042
Average receipts per passenger per mile for all passengers			01.988
Estimated cost of carrying each passenger one mile			01.910

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	4,024,088		
Number of tons of local freight carried, earning revenue	4,024,187		
Total tons of freight carried, earning revenue	8,848,275		
Total mileage of through freight		956,822,257	
Total mileage of local freight		446,518,743	
Total freight mileage or tons carried one mile		1,403,341,000	
Average ton haul for through freight		198.3	
Average ton haul for local freight		111	
Average ton haul for all freight		158.6	
Average amount received for each ton haul			$1 01.301
Average receipts ton per mile, for through freight			00.506
Average ton receipts per mile, for local freight			00.922
Average receipts ton per mile, for all freight			00 639
Estimated cost of carrying one ton one mile			00.494

Freight traffic.—In State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	309,789		
Number of tons of local freight carried, earning revenue	212,712		
Total tons of freight carried, earning revenue	522,501		
Total mileage of through freight		10,346,936	
Total mileage of local freight		4,828,530	
Total freight mileage or tons carried one mile		15,175,466	
Average ton haul for through freight		33.4	
Average ton haul for local freight		22.7	
Average ton haul for all freight		29	
Average amount received for each ton haul			$0 18.559
Average receipts ton per mile for through freight			00.506
Average receipts ton per mile, for local freight			00.922
Average receipts ton per mile, for all freight			0.639
Estimated cost of carrying one ton one mile			00.530

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	785,103	266,309	1,051,412	11.88
Flour	224,021	60,430	284,451	3.21
Other mill products	97,856	30,465	128,321	1.45
Hay	75,436	49,459	124,895	1.41
Tobacco	17,082	14,027	31,109	.35
Cotton		72,070	72,070	.81
Fruit and vegetables	52,189	92,588	144,777	1.64
Products of animals:				
Live stock	148,994	218,319	367,313	4.15
Dressed meats	31,576	91,088	122,664	1.39
Other packing house products	10,085	20,959	31,044	.35
Poultry, game and fish	11,340	5,602	16,942	.19
Wool	1,120	7,584	8,704	.10
Hides and leather	6,312	18,932	25,244	.29
Products of mines:				
Anthracite coal		158,092	158,092	1.79
Bituminous coal	949,890	806,679	1,756,569	19.87
Coke	11,786	94,531	106,317	1.20
Ores		55,473	55,473	.63
Stone, sand and other like articles	369,428	134,743	504,171	5.70
Salt	2,980	79,957	82,937	.94
Products of forest:				
Lumber	250,860	745,641	996,501	11.26
Manufactures:				
Petroleum and other oils	21,924	132,230	154,154	1.74
Sugar	1,492	96,943	98,435	1.11
Naval stores	9,185	19,829	29,014	.33
Iron, pig and bloom	181,810	73,275	205,085	2.32
Iron and steel rails	11,316	4,916	16,232	.18
Other castings and machinery	203,825	122,224	326,049	3.69
Bar and sheet metal	70,570	122,805	193,375	2.19
Cement, brick and lime	175,106	95,189	270,295	3.05
Agricultural implements	25,442	13,801	39,243	.44
Wagons, carriages, tools, etc.	8,620	4,378	12,998	.15
Wines, liquors and beers	71,504	32,034	103,538	1.17
Household goods and furniture	20,312	7,634	27,946	.32
Merchandise	651,845	401,120	1,052,965	11.90
Miscellaneous:				
Other commodities not mentioned above	102,523	145,325	247,848	2.80
Total tonnage	4,551,532	4,296,743	8,848,275	100

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	2,681	9,284	11,965	2.29
Flour	24,477	84,872	109,349	20.93
Other mill products	1,215	4,219	5,434	1.04
Hay	319	1,093	1,412	.27
Tobacco	20	84	104	.02
Fruit and vegetables	12,721	44,117	56,838	10.88
Products of animals:				
Live stock	240	857	1,097	.21
Dressed meats	2	8	10	----------
Other packing house products	734	2,558	3,292	.63
Poultry, game and fish	19	87	106	.02
Wool	44	164	208	.04
Hides and leather	267	935	1,202	.23
Products of mines:				
Anthracite coal	----------	16,302	16,302	3.12
Bituminous coal	----------	53,452	53,452	10.23
Stone, sand and other like articles	8,079	28,025	36,104	6.91
Salt	9,339	32,409	41,748	7.99
Products of forest:				
Lumber	39,400	84,366	123,766	23.69
Manufactures:				
Petroleum and other oils	----------	108	108	.02
Sugar	4	17	21	----------
Iron, pig and bloom	3,295	11,439	14,734	2.34
Iron and steel rails	321	1,090	1,411	.27
Other castings and machinery	1,200	4,183	5,383	1.03
Bar and sheet metal	125	450	575	.11
Cement, brick and lime	275	927	1,202	.23
Agricultural implements	237	766	993	.19
Wagons, carriages, tools, etc.	499	1,748	2,247	.43
Wines, liquors and beers	337	1,178	1,515	.29
Household goods and furniture	739	2,553	3,292	.63
Merchandise	9,614	17,660	27,274	5.22
Miscellaneous:				
Other commodities not mentioned above	303	1,055	1,358	.26
Total tonnage	116,496	406,005	522,501	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

American Express Co.

Fixed minimum rate for business over entire system of $317,572.00 per annum, based upon 40% of gross earnings. If 40% of gross earnings exceeds minimum, excess is paid R. R. company at end of year. They do all varieties of express business, we receiving their freight at our stations only.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

All lines owned by Western Union Telegraph Co.; number of miles unknown; R. R. Co. have free use of one wire for R. R. purposes.

Transportation companies.

No sleeping cars run in State of Michigan.

Fast freight lines.

No fast freight lines operating over this road in State of Michigan.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

INJURED.

February 1, J. Landerman, brakeman, Granger. Coupling cars; his own carelessness; had his back sprained and shoulder squeezed.
March 26, Wm. Jones, trespasser, Niles. Walking on track, struck by train, both legs cut off, proper signals given and everything possible done to avoid striking him.
June 3, D. Lynch, brakeman, Eau Claire. Stumbled and fell over tie; broke his knee cap.
July 29, Fred Laetz, laborer, Benton Harbor. Handling truck of lumber; arm slightly injured.
August 15, H. R. Height, not employé, Benton Harbor. Standing in caboose; cut off cars struck caboose, threw him against door; broke bridge of his nose.
October 9, J. W. Brady, baggageman, Niles. Loading baggage in baggage car; caught his fingers between a trunk and floor of car, contusion of three fingers, first finger crushed to joint.
October 14, H. Rincker, coal heaver, Benton Harbor. Fell off coal dock; leg sprained.
November 18, L. Williams, switchman, Benton Harbor. Brake chain broke while setting brake; back slightly sprained.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars					1	
Miscellaneous					4	1
Trespassers on trains						1
Trespassers on tracks						1
Total					5	3

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons injured during the year	8
Number of casualities purely accidental	4
Number resulting from lack of caution, carelessness or misconduct	4
Trespassers and tramps killed or injured	2

CLASSIFICATION OF EMPLOYÉS.

KILLED OR INJURED IN MICHIGAN.

	Killed.	Injured.	Total.
Baggagemen		1	
Brakemen		2	
Laborers		1	
Yardmen		1	
Not classified above		1	
Total		6	

STATE OF OHIO, }
COUNTY OF HAMILTON, } ss.

E. F. Osborn, secretary, and P. A. Hewitt, auditor, of the Cleveland, Cincinnati, Chicago & St. Louis Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

E. F. OSBORN, *Secretary.*

P. A. HEWITT, *Auditor C. C. C. & St. L. R'y Co.*

Subscribed and sworn to before me this 19th day of February, A. D. 1896.

[L. S.] [Signed] JOSEPH MOSES,

Notary Public, Hamilton County, Ohio.

ANNUAL REPORT

OF THE

DETROIT, GRAND HAVEN & MILWAUKEE RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed April 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, CHARLES M. HAYS, Montreal, Province of Quebec.
Secretary and Treasurer, JAMES H. MUIR, Detroit, Mich.
General Manager, W. J. SPICER, Detroit, Mich.
Superintendent, A. B. ATWATER, Detroit, Mich.
Mechanical Superintendent, HERBERT ROBERTS, Detroit, Mich.
Chief Engineer, GEORGE MASSON, Detroit, Mich.
Traffic Manager, JOHN W. LOUD, Detroit, Mich.
Solicitor, E. W. MEDDAUGH, Detroit, Mich.

DIRECTORS.

CHARLES M. HAYS, Montreal, Province of Quebec.
A. B. ATWATER, Detroit, Mich.
CHARLES BUNCHER, Detroit, Mich.
JOSEPH HOBSON, Hamilton, Province of Ontario.
GEORGE JEROME, Detroit, Mich.
E. W. MEDDAUGH, Detroit, Mich.
CHARLES PERCY, Montreal, Province of Quebec.
JOHN PRIDGEON, JR., Detroit, Mich.
W. J. SPICER, Detroit, Mich.

Terms expire first Monday in October, 1896, or until successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: March 7, 1834, as the Detroit & Pontiac Railroad company.
Number of stockholders at date of last election: 11.
Number of stockholders in Michigan at same date: 6.
Amount of full paid stock held in Michigan at same date: $300.
Date of annual meeting of stockholders: First Monday in October.
Fiscal year of company ends: December 31.
General offices of the company are located at Detroit, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$1,013,330 62
Total expenses, including taxes	931,172 27	
Net income or deficit		$82,148 35
Interest on funded debt	$324,500 00	
Interest on unfunded debt	21,982 78	
		346,482 78
Rentals of buildings, tracks, etc. Included in expenses as now required.		
Rentals of engines and cars. Included in expenses as now required.		
Balance for the year. A deficit of	$264,234 43	
Balance paid by the Grand Trunk R'y Co. of Canada under guarantees		264,234 43
Total	$264,234 43	$264,234 43

ANALYSIS OF CAPITAL STOCK.

Amount authorised by charter or articles of association			$1,500,000 00
Par value of shares		$50 00	
Number of shares issued	30,000		
Amount paid in on common		$1,500,000 00	
Total amount paid in, as per books of the company			$1,500,000 00
Paid in per mile of road owned by company, 189 miles			$7,936 51

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
Equipment mortgage bonds, issued Nov. 14, 1878	6%	Nov. 14, 1918	In New York or London	$2,000,000 00
Consolidated mortgage bonds, issued Nov. 15, 1878	6%	Nov. 15, 1918	In New York or London	3,200,000 00
Mortgage on land forming part of Detroit depot	5%	Oct. 1, 1900	In London	146,000 00
Mortgage on land forming part of Detroit depot	6½%	On demand	In Detroit, Mich.	80,000 00
Total funded debt				$5,426,000 00

UNFUNDED DEBT.

For current balances and bonds and interest accrued and unclaimed—to be paid in cash	$1,922,248 85

RECAPITULATION.

Total funded debt	$5,426,000 00
Total unfunded debt	1,922,248 85
Total debt liabilities	$7,348,248 85
Amount of debt liabilities per mile of road, 189 miles	38,879 63
Total amount of stock and debt	8,848,248 85
Stock and debt per mile of road, 189 miles	46,816 13

GENERAL BALANCE SHEET.—Dr.

Construction account Equipment account		$7,057,267 22
Cash items:		
Cash	$24,889 74	
Due from agents	35,939 26	
		60,829 00
Other assets:		
Materials and supplies	$133,221 40	
Debit balances from companies and individuals	563,467 07	
		696,688 47
Grand Trunk R'y Co. of Canada for interest coupons held for payment under guarantee per contra		1,033,464 16
Total		$8,848,248 85

GENERAL BALANCE SHEET.—Cr.

Capital stock	$1,500,000 00	
Funded debt	5,426,000 00	
		$6,926,000 00
Unfunded debt:		
Interest unpaid	$78,996 40	
Notes payable	50,000 00	
Vouchers and accounts	703,354 86	
Other liabilities, list as follows:		
Wages for December, 1895, paid in January, 1896	56,433 43	
Grand Trunk R'y Co. of Canada for payments under guarantees	1,033,464 16	
		1,922,248 85
Total		$8,848,248 85

COST OF ROAD AND EQUIPMENT.

PURCHASED BY PRESENT COMPANY.

When purchased: Sept. 4, 1878; transferred by receiver Oct. 19, 1878.

Original cost to present company of road and equipment	$6,700,000 00
Amount expended since purchase, account of construction	311,506 22
Amount expended since purchase, account of equipment	45,761 00
Total cost to date of report	7,057,267 22
Average cost per mile of road, not includidg sidings, 189 miles	37,340 04
Proportion of cost for Michigan	7,057,267 22

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Improvements of line	$5,231 90
Total charges to property account as above	5,231 90
Property sold and credited	6,000 00
Net credit to property account	768 10

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$388,649 21	
Through fares	14,113 05	
Total passenger fares		$402,762 26
Express and baggage	$27,308 71	
Mails	29,035 05	
Other sources	3,908 31	
Total passenger department earnings		463,059 33
Per train mile	$0 95	
Per mile of road	$2,450 05	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$427,896 40	
Through traffic	60,289 18	
Total traffic		$488,185 58
Total freight department earnings		$488,185 58
Per train mile	$1 29	
Per mile of road	2,583 99	
Total transportation earnings, entire line		$951,244 91
Transportation earnings per mile of road	$5,033 04	
Transportation earnings per train mile	1 10	
Miscellaneous receipts from operating account, other than for transportation:		
From switching charges balance	$51,298 94	
From rents of tracks, yards and terminals	7,589 03	
From rents not otherwise provided for	3,187 75	
Total		62,075 72
Total earnings from operation of road		$1,013,320 63
Total earnings per mile of road	$5,361 48	
Total earnings per train mile	1 17	
Proportion of earnings for Michigan		1,013,320 63
Total earnings per mile of road in Michigan	$5,361 48	
Income other than from earnings	1 17	
Total income from all sources		$1,013,320 63
Proportion of income for Michigan		1,013,320 63

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$70,426 79
Renewals of rails	14,405 21
Renewals of ties	31,518 79
Repairs and renewals of bridges and culverts	16,766 64
Repairs and renewals of fences, road crossings, signs and cattle guards	11,798 07
Repairs and renewals of docks and wharves	4,531 37
Repairs and renewals of buildings and fixtures	16,956 68
Stationery and printing	112 45
Total	$165,579 00

MAINTENANCE OF EQUIPMENT.

Superintendence	$1,866 21
Repairs and renewals of locomotives	67,151 21
Repairs and renewals of passenger cars	29,643 11
Repairs and renewals of freight cars	44,233 77
Repairs and renewals of shop machinery and tools	9,312 90
Stationery and printing	443 30
Other expenses	6,678 23
Total	$159,233 73

CONDUCTING TRANSPORTATION.

Superintendence	$22,334 76
Engine and roundhouse men	87,776 77
Fuel for locomotives	79,494 57
Water supply for locomotives	3,241 15
Oil, tallow and waste for locomotives	2,747 23
Train service	52,121 44
Train supplies and expenses	13,938 41
Switchmen, flagmen and watchmen	35,368 84
Telegraph expenses	16,073 39
Station service	124,106 06
Station supplies	11,673 30
Car mileage—balance	23,279 44
Hire of equipment	19,500 00
Loss and damage	2,263 19
Injuries to persons	11,863 18
Advertising	4,305 46
Outside agencies	14,894 10
Commissions	2,880 01
Rents for tracks, yards and terminals	90 00
Rent of buildings and other property	4,112 58
Stationery and printing	5,498 88
Total	$537,202 76

GENERAL EXPENSES.

Salaries of general officers	$11,300 00
Salaries of clerks and attendants	19,648 51
General office expenses and supplies	1,777 76
Insurance	6,792 36
Law expenses	3,103 39
Stationery and printing (general offices)	492 11
Taxes	26,142 65
Total	$69,156 78

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	17.78	$165,579 00
Maintenance of equipment	17.10	159,233 73
Conducting transportation	57.69	537,202 76
General expenses, including taxes	7.43	69,156 78
Total operating expenses and taxes	100.00	$931,172 27
Operating expenses and taxes per mile of road	$4,926 84	
Operating expenses and taxes per train mile run, for trains earning revenue, 865,212 miles	1 08	
Total proportion of expenses and taxes for Michigan		931,172 27
Percentage of expenses to earnings	91.89	
Net earnings per mile of road		434 65
Net earnings per train mile		0 10

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Detroit, Mich., to Grand Haven, Mich., Nov. 22, 1858.

MAIN LINE.

	Miles.
In Michigan from Detroit, Mich., to Grand Haven, Mich.	189
Total length of road belonging to this company	189
Total length of road belonging to this company in Michigan	189
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated	68.39
Aggregate length of tracks in Michigan belonging to this company, computed as single track	257.39

Gauge of track, 4 feet 8½ inches.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet
Iron bridges	25	3,042
Wooden trestles	37	2,726
Total	62	5,768

Swing bridges in Michigan.

How many on your line? 2

Where located, when built, and length of draw span:	Feet.
Near Ferrysburg, one in 1870, two openings, each	60
Near Ferrysburg, one in 1884, two openings, each	75

Character of structure:
Truss.

Material of which constructed:
Iron.

Height above water, and depth of water under bridge:
1870 bridge, height 9 feet 6 inches; depth of water 16 feet.
1884 bridge, height 8 feet 7 inches; depth of water 24 feet.

How swung, by engine or hand power?
Hand power.

Approaches straight or curved?
Two straight and two curved.

Do you require all trains to come to full stop before crossing a draw, and how are they signaled?
Yes, and by distant semaphores.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Grand Trunk R'y 4 miles west of Detroit station.
Detroit & Bay City R. R. 4 miles west of Detroit station.
Michigan Air Line R'y at Pontiac.
Flint & Pere Marquette R. R. at Holly.
Chicago & Grand Trunk R'y at Durand.
Ann Arbor R. R. at Durand.
Cincinnati, Saginaw & Mackinaw R. R. at Durand.
Jackson, Lansing & Saginaw R. R. at Owosso.
Detroit, Lansing & Northern R. R. at Ionia.
Lowell & Hastings R. R. at Lowell.
Grand Rapids & Indiana R. R. at Grand Rapids.
Chicago & West Michigan R'y at Grand Rapids and Ferrysburg.

What railroads cross your road either over or under your grade in this State, and where?
Under:
Muskegon, Grand Rapids & Indiana R. R., Berlin.

At what crossings are interlocking and derailing switches in operation?
Milwaukee Junction crossing of Detroit & Bay City Railroad.

What pattern or patterns have you adopted?
Union Switch and Signal Company's.

Number of crossings of highways at grade in this State	251
Number of crossings of highways at grade in this State at which there are gates or flagmen	59
Number of crossings at which there are electric or automatic signals	2

What pattern or patterns in use?
Electric skeleton bells with push button.

Numbers of crossings of highways over or under railroad: over, 15; under, 9	24
Number of highway bridges 18 feet above track	10
Number of highway bridges less than 18 feet above track	5

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Plank blocking.

Stations.

Number of stations on whole lines, (all in Michigan)	44

Employés.

Number of persons regularly employed on all roads operated by company, including officials, (all in Michigan)	1,246

Classify your employés as per following list:	Number.
Baggagemen	12
Brakemen	52
Conductors	27
Engineers	42
Firemen	44
Laborers	432
Shopmen	100
Yardmen	40
Others	497

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	385

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
Fencing complete.

Road bed and track.

Number of track sections in Michigan	87
Average length of sections, miles	5
Average number of men in each section gang	4
Number of new ties put in whole line and sidings during the year	89,074
Number of new ties put in track and sidings in Michigan	89,074
Average number of new ties per mile of road and sidings	346

New rails put in track:	
Steel, 899 tons; miles	8½
Total miles of track laid with new rails	8½

Bridges and culverts.

Amount of trestle work replaced with earth during the year, linear feet	115

Timber culverts replaced during the year:	
With iron pipe—number	15
With timber—number	4

ROLLING STOCK.

		Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender		29	$140,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender		12	32,000 00
Total		41	$172,000 00
Number of passenger cars—12 wheel, including official cars		5	$20,000 00
Number of passenger cars—8-wheel, including official cars		29	87,000 00
Number of express and baggage cars		11	22,000 00
Number of box freight cars		362	135,750 00
Number of stock cars		25	10,000 00
Number of platform cars		196	52,800 00
Number of conductors' way cars		21	14,700 00
Other cars as follows:			
Charcoal	21		
Combination, freight and cattle	19		
Furniture	10		
Auxiliary	1		
		51	20,400 00
Total		700	$362,650 00

Number of locomotives equipped with power brakes	30
Number of passenger train cars equipped with power brakes	45

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse air brake, engines, 26; cars, 45.
Eames Vacuum brake, engines, 4.

Are your freight cars being equipped with automatic couplers as required by act No. 147, sessions laws of 1885, as amended by act No. 88, session laws of 1887?
Preparing to equip them.

What pattern or patterns have you adopted for use?
"Janney."

How are your passenger cars heated?
Baker heater (hot water) and steam heat from engine.

MILEAGE TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan
Miles run by passenger trains during the year	434,378	434,378
Miles run by freight trains during the year	226,476	226,476
Miles run by mixed trains, ¼ passenger and ¾ freight trains	204,358	204,358
Total mileage of trains earning revenue	865,212	865,212

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	3,410		
Number of local passengers carried, earning revenue	585,399		
Total number of passengers carried, earning revenue	588,809		
Number of passengers carried one mile	17,467,842		
Average distance carried		29.7	
Average amount received from each passenger			$0 68.40
Average receipts per mile for through passengers			02.16
Average receipts per mile for local passengers			02.31
Average receipts per passenger per mile for all passengers			02.31

Freight traffic.—Road all in the State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried earning revenue	67,031		
Number of tons of local freight carried earning revenue	440,014		
Total tons of freight carried earning revenue	507,045		
Total mileage of through freight		12,668,171	
Total mileage of local freight		24,279,151	
Total freight mileage or tons carried one mile		36,947,322	
Average ton haul for through freight		189	
Average ton haul for local freight		55.2	
Average ton haul for all freight		72.9	
Average amount received for each ton haul			$0 96.28
Average receipts ton per mile for through freight			00.48
Average receipts ton per mile for local freight			01.76
Average receipts ton per mile for all freight			01.32

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	26,739	25,502	52,241	10.30
Flour	15,143	31,005	46,148	9.10
Other mill products	7,350	11,841	19,191	3.79
Hay	7,219	3,117	10,336	2.04
Tobacco	135	232	357	.07
Fruit and vegetables	9,460	11,414	20,874	4.12
Potatoes	4,054	4,823	8,877	1.75
Products of animals:				
Live stock	13,923	10,386	24,309	4.79
Dressed meats	297	4,237	4,534	.90
Other packing house products	148	460	608	.12
Poultry, game and fish	204	569	773	.15
Wool	787	553	1,340	.26
Hides and leather	1,141	1,372	2,513	.50
Products of mines:				
Anthracite coal	62	26,927	26,989	5.32
Bituminous coal	7,442	8,225	15,667	3.09
Coke		88	88	.02
Stone, sand, and other like articles	33,121	1,188	34,309	6.77
Salt		1,971	1,971	.39
Products of forest:				
Lumber	11,843	43,665	55,508	10.95
Logs	3,291	3,470	6,761	1.33
Shingles	1,315	2,629	3,944	.78
Manufactures:				
Petroleum and other oils	208	2,335	2,543	.50
Sugar	35	1,232	1,267	.25
Iron, pig and bloom	1,056	2,689	3,745	.74
Iron and steel rails	321	2,328	2,649	.52
Other castings and machinery	632	2,004	2,636	.52
Bar and sheet metal		249	249	.05
Cement, brick and lime	13,205	10,986	24,191	4.77
Agricultural implements	208	772	980	.19
Wagons, carriages, tools, etc.	2,780	558	3,338	.66
Wines, liquors and beers	652	410	1,062	.21
Household goods and furniture	6,943	1,586	8,529	1.68
Merchandise	38,011	22,302	60,313	11.89
Miscellaneous:				
Other commodities not mentioned above	31,247	26,958	58,205	11.48
Total tonnage	238,972	268,073	507,045	100.00

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

The National Express Company has exclusive right for passenger trains, and pays $50 per day for not exceeding 5,000 lbs. per day, and 60 cents per 100 lbs. excess, carrying light freight, money, etc., and taking freight to and from depots. The total payments for any one year not to be less than $20,000.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

189 miles of single wire belonging to the Western Union Telegraph Company, using the railway company's poles. A second wire 46½ miles long of same telegraph company, with poles; runs between Detroit and Holly.

Fast freight lines.

To what fast freight lines or other transportation companies, running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid?

Name of company.	General office.	Amount paid.
Armour Car Lines	Chicago, Ill.	$94 83
Anglo-American Refrigerator Car Co.	Chicago, Ill.	3 66
Arms' Palace Horse Car Co.	Chicago, Ill.	1 01
American Refrigerator Transit Co.	St. Louis, Mo.	2 96
Burton Stock Car Co.	Chicago, Ill.	1 71
Bond, Lunham & Co.	Chicago, Ill.	80
Chicago Car & Coal Co.	Chicago, Ill.	1 12
Continental Fruit Express	Chicago, Ill.	90
Chicago Refrigerator Car Line	Chicago, Ill.	41 48
California Fruit Transportation Co.	Chicago, Ill.	40
Cudahy Milwaukee Refrigerator Line	Milwaukee, Wis.	1 41
Canda Cattle Car Co.	Chicago, Ill.	68
Central Equipment Co.	Terre Haute, Ind.	1 87
Cedar Rapids Refrigerator Co.	Cedar Rapids, Ia.	1 25
Chicago, New York and Boston Refrigerator Line	Boston, Mass.	569 87
Eureka Transportation Co.	Indianapolis, Ind.	14 68
Freeman Bros.	Pontiac, Mich.	2 87
Hammond Refrigerator Line	Hammond, Ind.	55 96
J. E. Butler Furniture Line	Atlanta, Ga.	1 65
Keystone Palace Horse Car Co.	Chicago, Ill.	24
Kingon Refrigerator Line	Indianapolis, Ind.	48
Lipton Refrigerator Line	Chicago, Ill.	94
Live Poultry Transportation Co.	Chicago, Ill.	18 66
Merchants' Despatch Transportation Co.	New York, N. Y.	283 54
Morris & Co.	Chicago, Ill.	13 87
Mather Stock Car Co.	Chicago, Ill.	5 07
National Car Co.	St. Albans, Vt.	3,332 49
Chicago, Boston and Liverpool Car Co.	St. Albans, Vt.	361 70
National Linseed Oil Co.	Chicago, Ill.	1 94
Provision Dealers Despatch	Chicago, Ill.	2 75
Rock Falls Manufacturing Co.	Peoria, Ill.	98
W. P. Rend & Co.	Chicago, Ill.	2 98
Streets Western Stable Car Line	Chicago, Ill.	34
Swifts Refrigerator Line	Chicago, Ill.	66 38
St. Louis Refrigerator Car Co.	St. Louis, Mo.	1 89
South Western Railway Despatch	Kansas City, Mo.	25
Union Iron Co.	Detroit, Mich.	5 47
Union Tank Line	New York, N. Y.	27 70
Union Refrigerator Transit Co.	St. Louis, Mo.	74 32
Venice Transportation Co.	St. Louis, Mo.	10
Western Rolling Stock & Equipment Co.	Chicago, Ill.	63
Total		$5,000 77

TRANSPORTATION COMPANIES.

Sleeping, drawing-room and palace car companies.

What sleeping, drawing-room, chair or other palace passenger cars, not the exclusive property of your own or some other railroad company, have, during the year, been in use on your road in the State of Michigan, and on what terms? If rented by you, or allowed mileage between local points in this State, what was the amount paid for the use of such cars during the period under report?

Wagner Palace Car Co., New York, N. Y.; allowed mileage, $4,455.33.

Pullman Palace Car Co., Chicago, Ill., lease this company two sleeping cars free of mileage, this company keeping their exterior in repair.

Both these car companies get the fares for seats or berths.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

January 17, Wm. Kane, citizen, Grand Rapids. Run over; lack of caution.
March 1, G. Legg, brakeman, Owosso. Coupling; his carelessness.
March 30, Chas. Cort, citizen, Royal Oak. Run over; company responsible on account of not protecting crossing while so many trains were passing.
May 17, John Baird, tramp, Berlin. Lying on track; run over; suicide.
June 11, Mrs. C. Grove, citizen, Pewamo. Highway collision; lack of caution.
May 29, Celia Ryanski, citizen, Gratiot avenue, Detroit. Walking on track; her carelessness.
July 12, C. E. Springstead, citizen, Muir. At crossing; his carelessness; company not responsible.
August 19, Guy Edwards, tramp, Holly. Stealing ride; fell from train; railroad not responsible.

INJURED.

March 3, W. H. McCarthy, yard brakeman, Detroit. Coupling; lack of caution.
March 8, Frank Musselman, brakeman, Holly. Coupling; lack of caution.
March 24, H. Spaulding, brakeman, Owosso. Coupling; lack of caution.
June 11, Mrs. W. Osborne, citizen, Pewamo. Highway collision; lack of caution.
July 5, A. Willis, brakeman, Detroit. Coupling; lack of caution.
August 5, Wm. P. Breen, brakeman, Detroit. Fell off car; lack of caution.
September 11, Geo. Brown, brakeman, Pewamo. Fell into cattle guard; lack of caution.
September 5, August Lundgreen, trespasser, Pewamo. Catching on freight train; his carelessness.
September 30, Wm. Sax, brakeman, Holly. Coupling; lack of caution.
September 16, Henry Christi, trespasser, Detroit. Stealing ride; his carelessness.
October 27, Chas. Case, citizen, Birmingham. Intoxicated, stealing ride; his carelessness.
October 3, Chester Bush, brakeman, Detroit. Coupling; lack of caution.
October 20, Wm. Westfall, trespasser, Fenton. Stealing ride; his carelessness.
October 17, D. Allen, brakeman, Corunna. Coupling; lack of caution.
November 26, Wm. Duncan, checker, Detroit. Pile driver blew over; high wind.
November 14, J. Kelley, sectionman, Owosso Junction. Fell off hand car; his carelessness.
December 27, W. H. McCarty, brakeman, Detroit. Coupling; lack of caution.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars		1			8	
Falling from trains					1	
Highway crossings			4			1
Miscellaneous					3	
Trespassers on trains			1			4
Trespassers on tracks			2			
Total		1	7		12	5

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	8
Number of persons injured during the year	17
Number of casualties purely accidental	2
Number resulting from lack of caution, carelessness or misconduct	22
Persons killed or injured while intoxicated	1
Trespassers and tramps killed or injured	7
Suicides	1

CLASSIFICATION OF EMPLOYÉS.

KILLED OR INJURED IN MICHIGAN.

Employés.	Killed.	Injured.	Total.
Brakemen			
Laborers	1	10	11
Not classified above		1	1
		1	1
Total	1	12	13

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

W. J. Spicer, general manager, and James H. Muir, secretary and treasurer, of the Detroit, Grand Haven & Milwaukee Railway Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the conditions and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.]

Signed

W. J. SPICER, *General Manager*,
J. H. MUIR, *Secretary and Treasurer*.

Subscribed and sworn to before me this 30th day of March, A. D. 1896.

[L. S.]

LAWRENCE F. LANG,
Notary Public, County of Wayne, State of Michigan.

ANNUAL REPORT

OF THE

DETROIT, LANSING & NORTHERN RAILROAD COMPANY.

For the year ending December 31, 1895.

[Filed April 8, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, NATHANIEL THAYER, Boston, Mass.
Secretary, CHARLES MERRIAM, Boston, Mass.
Auditor, U. B. ROGERS, Grand Rapids, Mich.
Treasurer, CHARLES MERRIAM, Boston, Mass.
General Manager, CHARLES M. HEALD, Grand Rapids, Mich.
General Superintendent, J. K. V. AGNEW, Grand Rapids, Mich.
Assistant Superintendent, THOMAS H. MALONE, Ionia, Mich.
General Auditor, C. W. COURTRIGHT, Boston, Mass.
Chief Engineer, J. J. McVEAN, Grand Rapids, Mich.
Assistant Treasurer, J. E. HOWARD, Grand Rapids, Mich.
General Passenger Agent, GEORGE DEHAVEN, Grand Rapids, Mich.
General Freight Agent, F. V. DAVIS, Grand Rapids, Mich.
Attorney, WILLIAM ALDEN SMITH, Grand Rapids, Mich.

DIRECTORS.

NATHANIEL THAYER, Boston, Mass.
H. H. HUNNEWELL, Boston, Mass.
J. A. BURNHAM, Boston, Mass.
G. O. SHATTUCK, Boston, Mass.
CHARLES MERRIAM, Boston, Mass.
E. V. R. THAYER, Boston, Mass.
A. H. HARDY, Boston, Mass.
GEORGE WHITNEY, Boston, Mass.
F. H. DAMON, Boston, Mass.
G. ST. L. ABBOTT, Boston, Mass.
CHARLES M. HEALD, Grand Rapids, Mich.

Terms expire Second Wednesday in May, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: December 26, 1876.
Number of stockholders at date of last election: 471.
Number of stockholders in Michigan at same date: 3.
Amount of full paid stock held in Michigan at same date: $10,600.00.
Date of annual meeting of stockholders: Second Wednesday in May.
Fiscal year of company ends December 31.
General offices of the company are located at Boston, Mass., and Grand Rapids, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$1,149,654 89
Total expenses, including taxes	$895,351 52	
Net income		254,303 37
Interest on funded debt	$225,540 00	
Interest on unfunded debt	1,448 98	
Rental of buildings, tracks, etc.	126,590 45	
Balance for the year		$109,276 06
Balance (profit and loss) last year		42,631 55
Balance forwarded to next year		$151,907 61

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$4,410,000 00
Par vale of shares		$100	
Number of shares issued	43,356 00		
Amount paid in on common		$1,825,600 00	
Amount paid in on preferred		2,510,000 00	
Total amount paid in, as per books of the company			4,335,600 00
Paid in per mile of road owned by company, 221.57 miles			19,567 63

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
Detroit, Lansing & Northern R. R. Co., 1st mortgage bonds, 1877	7%	1907	Boston, Mass.	$2,672,000 00
Ionia & Lansing R. R. Co., 1st mortgage bonds, 1869	5%	1899	New York City	770,000 00
Total funded debt				$3,442,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For construction For equipment For real estate For renewals For miscellaneous For current balances	To be paid from earnings	$1,105,293 96

RECAPITULATION.

Total funded debt	$3,442,000 00
Total unfunded debt	1,105,293 96
Total debt liabilities	$4,547,293 96
Amount of debt liabilities per mile of road, 221.57 miles	20,523 06
Total amount of stock and debt	8,882,893 96
Stock and debt per mile of road, 221.57 miles	40,090 69

GENERAL BALANCE SHEET.—Dr.

Construction account	$7,044,866 96	
Equipment account	716,042 97	
Other investments:		
Construction and equipment G. R., L. & D. R. R.	1,303,636 27	
Construction and equipment S. & W. R. R.	568,586 65	
		$9,632,633 85
Cash items:		
Cash	$40,946 41	
Bills receivable	233,000 00	
Due from agents	14,077 78	
		288,024 19
Other assets:		
Materials and supplies	$77,402 81	
Sinking funds	261,065 67	
Debit balances from companies and individuals	178,289 33	
Common stock scrip	71 00	
		516,829 81
Profit and loss or income account		151,907 61
Total		$10,589,393 96

GENERAL BALANCE SHEET.—Cr.

Capital stock	$4,835,600 00	
Funded debt	3,442,000 00	
Capital stock, G. R., L. & D. R. R.	28,000 00	
Capital stock S. & W. R. R.	4,500 00	
Funded debt G. R., L. & D. R. R.	1,108,000 00	
Funded debt S. & W. R. R.	566,000 00	
		$9,484,100 00
Unfunded debt:		
Interest unpaid	$935,466 67	
Vouchers and accounts	148,203 98	
Other liabilities:		
Net traffic balance due other companies	21,623 31	
		1,105,293 96
Total		$10,589,393 96

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$7,760,409 98
Average cost per mile of road (not including sidings), 221.57 miles	35,024 64
Proportion of cost for Michigan	7,760,409 98

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

Main line:	
New cars	$45,342 42
Right of way	2,308 03
Total charges	$47,650 45
Total charges to property account as above	$47,650 45
Property sold and credited	333 22
Net addition to property account	47,317 23

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$378,111 88	
Through fares	62,393 17	
Total passenger fares	$440,505 05	
Express and baggage	22,320 00	
Mails	46,016 14	
Total passenger department earnings		$508,841 19
Per train mile	$0 92	
Per mile of road	1,524 75	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$488,530 59	
Through traffic	128,340 99	
Total traffic	$616,871 58	
Other sources, freight department	1,731 00	
Total freight department earnings		$618,602 58
Per train mile	$1 24	
Per mile of road	1,353 66	
Total transportation earnings, entire line		1,127,443 77
Transportation earnings per mile of road	$3,378 41	
Transportation earnings per train mile	1 11	
Miscellaneous receipts from operating account, other than for transportation, as follows:		
From telegraph companies	$7,027 58	
From other sources	15,183 54	
		22,211 12
Total		$1,149,654 89
Total earnings from operation of road		$1,149,654 89
Total earnings per mile of road	$3,444 97	
Total earnings per train mile	1 14	
Proportion of taxable earnings for Michigan	1,149,654 89	
Total taxable earnings per mile of road in Michigan	$3,444 97	
Total income from all sources		$1,149,964 89
Proportion of income for Michigan		1,149,964 89

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$115,425 44
Renewals of rails	26,499 77
Renewals of ties	43,824 86
Repairs and renewals of bridges and culverts	2,494 81
Repairs and renewals of fences, road crossings, signs and cattle guards	15,080 93
Repairs and renewals of buildings and fixtures	16,178 94
Repairs and renewals of telegraph	1,600 16
Stationery and printing. See general expenses.	
Total	$221,104 96

MAINTENANCE OF EQUIPMENT.

Superintendence. See salaries general officers.	
Repairs and renewals of locomotives	60,539 93
Repairs and renewals of passenger cars	40,162 46
Repairs and renewals of freight cars	37,035 72
Repairs and renewals of work cars. See repairs freight cars.	
Repairs and renewals of shop machinery and tools	4,780 36
Stationery and printing. See general expenses.	
Total	$142,518 47

CONDUCTING TRANSPORTATION.

Superintendence. See salaries general officers.	
Engine and roundhouse men	$80,382 61
Fuel for locomotives	86,408 36
Water supply for locomotives	5,948 50
Oil, tallow and waste for locomotives	3,111 27
Train service	54,132 25
Train supplies and expenses	4,873 03
Switchmen, flagmen and watchmen	12,059 42
Telegraph expenses	20,046 52
Station service	88,860 32
Station supplies	6,271 21
Switching charges—balance	3,668 69
Car mileage—balance	17,718 48
Loss and damage	10,427 76
Injuries to persons	5,023 08
Clearing wrecks. Included in rep. loco's, pass. cars and freight cars.	
Advertising	4,808 05
Outside agencies	8,248 16
Rents for tracks, yards and terminals; Rent of buildings and other property	27,373 89
Stationery and printing. See general expenses.	
Total	$439,356 65

GENERAL EXPENSES.

Salaries of general officers	$19,238 48
Salaries of clerks and attendants	26,128 45
General office expenses and supplies	2,924 54
Insurance	3,541 98
Law expenses	3,864 17
Stationery and printing (general offices)	8,960 79
Other expenses	453 43
Taxes	27,259 60
Total	$92,371 44

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	24.69	$221,104 96
Maintenance of equipment	15.92	142,518 47
Conducting transportation	49.07	439,356 65
General expenses, including taxes	10.32	92,371 44
Total operating expenses and taxes	100.	895,351 52

Operating expenses and taxes per mile of road		$2,682 94
Operating expenses and taxes per train mile run, for trains earning revenue 1,012,312 miles		89
Total proportion of expenses and taxes for Michigan		895,351 52
Per centage of expenses to earnings	77.88	
Net earnings per mile of road		762 03
Net earnings per train mile		25

DESCRIPTION OF ROAD.

Date when road was opened for use between its present termini:
From Detroit to Howard City, August, 1871.
From Stanton Junction to Big Rapids, July, 1880.
From Kiddville to Belding, 1872.
From Alma to Howard City, August, 1886.
From Grand Ledge to Grand Rapids, August, 1888.
From Oakdale Park to Reed's Lake, August, 1888.

MAIN LINE.

	Miles.	Miles.
In Michigan, from West Detroit to Lansing	82	
In Michigan, from North Lansing to Howard City	74.60	
Total length completed		156.60

BRANCHES.

Stanton, from Stanton Junction to Big Rapids	63.30	
Belding, from Kiddville to Belding	1.67	
Total length of branches owned by company		64.97
Total length of branches owned by company in Michigan	64.97	
Total length of road belonging to this company		221.57
Total length of road belonging to this company in Michigan	221.57	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	86.32	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		307.89

Gauge of track, 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

Name, description and length of each:	Total miles.	In Michigan
Detroit to Redford Junction (Union Station Association)	13.04	
Lansing to North Lansing (J., L. & S. R. R.)	1.00	
Alma to Howard City (S. & W. R. R.)	42.57	
Grand Ledge to Grand Rapids (G. R., L. & D. R. R.)	53.01	
Oakdale Park to Reed's Lake (G. R., L. & D. R. R.)	2.53	
Total	112.15	112.15
Total miles operated by the company	333.72	333.72

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	4	285
Iron bridges	25	2,697½
Wooden trestles	54	4,578
Total	83	7,560½

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Flint & Pere Marquette R. R. at Plymouth.
Michigan Air Line R. R. at South Lyons.
Ann Arbor R. R. at Howell Junction.
Chicago & Grand Trunk R. R. at Trowbridge.
Lowell & Hastings R. R. at Elmdale.
Detroit, Grand Haven & Milwaukee R. R. at Ionia.
Toledo, Saginaw & Muskegon R'y at Greenville and Sheridan.
Grand Rapids & Indiana R. R. at Big Rapids and Grand Rapids.
Michigan Central R. R. at Grand Rapids.

At what crossings are interlocking and derailing switches in operation?
Ann Arbor R. R. at Howell Junction.
Chicago & Grand Trunk R'y at Trowbridge.
Lowell & Hastings R. R. at Elmdale.
Toledo, Saginaw & Muskegon R'y at Sheridan and Greenville.
Michigan Central R. R. at Grand Rapids.
Grand Rapids & Indiana R. R. at Grand Rapids.

What pattern or patterns have you adopted?
Gravit and Union S. & S. Co.

Number of crossings of highways at grade in this State	459
Number of crossings of highways at grade in this State at which there are gates or flagmen	21
Number of crossings at which there are electric or automatic signals	1
What pattern or patterns in use? American Railroad Signal.	
Number of crossings of highways over or under railroad (over 9; under 11)	20
Number of highway bridges, 18 feet above track	9

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws of 1883?
Yes.

How are they treated?
Hart guards and blocked with plank.

Stations.

Number of stations on whole line (all in Michigan)	72

Employés.

Number of persons regularly employed on all roads operated by company, including officials	1,176
Same in Michigan	1,171

Classify your employés as per following list:	Number.
Baggagemen	10
Brakemen	54
Conductors	28
Engineers	46
Firemen	46
Laborers	457
Shopmen	85
Yardmen	28
Others	422

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	646

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
None.

ADDITIONAL QUESTIONS.

Express Companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

The American Express Company; at an agreed rate they handle their own freight at the railroad company's depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

673.24 miles: Detroit, Lansing & Northern R. R. Co.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

June 6, Joseph Moers, citizen, Lansing. Walking on track; carelessness.
June 6, I. S. Johnson, brakeman, Howell. Struck by train for which he was working; carelessness.
June 22, Amanda Black, citizen, Lakeview. Struck by train; suicide.

INJURED.

June 11, Herbert Miller, citizen, Mecosta. Walking on track (deaf); carelessness.
October 2, C. L. Darling, yardmaster, Grand Rapids. Coupling; accidental.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars					1	
Miscellaneous		1				
Trespassers on tracks			2			1
Total		1	2		1	1

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	3
Number of persons injured during the year	2
Number of casualties purely accidental	1
Number resulting from lack of caution, carelessness or misconduct	4
Trespassers and tramps killed or injured	3
Suicides	1

STATE OF MICHIGAN, } ss.
COUNTY OF KENT, }

Charles M. Heald, general manager, and U. B. Rogers, auditor, of the Detroit, Lansing & Northern Railroad Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed CHAS. M. HEALD,
U. B. ROGERS.

Subscribed and sworn to before me this 6th day of April, A. D. 1896.
[L. S.]

ERNEST N. WELLER,
Notary Public, Kent Co., Mich.

ANNUAL REPORT

OF THE

GRAND RAPIDS, LANSING & DETROIT RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 11, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, NATHANIEL THAYER, Boston, Mass.
Secretary, CHAS. MERRIAM, Boston, Mass.
Treasurer, CHAS. MERRIAM, Boston, Mass.
General Manager, CHAS. M. HEALD, Grand Rapids, Mich.

DIRECTORS.

NATHANIEL THAYER, Boston, Mass.
CHAS. MERRIAM, Boston, Mass.
GEO. SHATTUCK, Boston, Mass.
A. H. HARDY, Boston, Mass.
H. H. HUNNEWELL, Boston, Mass.
F. H. DAMON, Boston, Mass.
CHAS. M. HEALD, Grand Rapids, Mich.
Terms expire May 6, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: May 17, 1887.
Number of stockholders at date of last election: 8.
Number of stockholders in Michigan at same date: 1.
Amount of full paid stock held in Michigan at same date: $100.
Date of annual meeting of stockholders: Second Wednesday in May.
Fiscal year of company ends December 31.
General offices of the company are located at Boston, Mass., and Grand Rapids, Mich.

REMARKS.

This road is leased and operated by the Detroit, Lansing & Northern Railroad Company.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$450,000 00
Par value of shares	$100 00		
Average price received per share	100 00		
Number of shares issued		280	
Total amount paid in, as per books of the company			28,000 00
Paid in per mile or road owned by company, 55.54 miles			504 14

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage bonds, Sept. 1, 1887	5%	Sept. 1, 1927	Boston, Mass.	$1,108,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For construction For equipment	To be paid	$167,636 27

RECAPITULATION.

Total funded debt	$1,108,000 00
Total unfunded debt	167,636 27
Total debt liabilities	$1,275,636 27
Amount of debt liabilities per mile of road, 55.54 miles	22,967 88
Total amount of stock and debt	$1,303,636 27
Stock and debt per mile of road	23,473 02

INTEREST ON THE FUNDED DEBT.

What is the amount of same due each year?	$55,400 00

Was it paid for the last year? No.
If interest is in default state the years and amounts as follows:

Default, 1893	$27,700 00
Default, 1894	55,400 00
Default, 1895	55,400 00

COST OF ROAD AND EQUIPMENT.

Total cost for construction and equipment of road and branches built by company.

Total expended for construction and equipment	$1,303,636 27
Average cost per mile of road, not including sidings, 55.54 miles	23,473 02
Proportion of cost of construction for Michigan	1,303,636 27

DESCRIPTION OF ROAD.

MAIN LINE.

Date when the road was opened for use between its present termini: August, 1888.

		Miles.
Length completed in Michigan, Grand Ledge to Grand Rapids		53.01

BRANCHES.

Reed's Lake, from Oakdale Park to Reed's Lake	2.53	
Total length of branches owned by company in Michigan		2.53
Total length of road belonging to this company		55.54
Total length of road belonging to this company in Michigan	55.54	
Aggregate length of sidings, spurs and other tracks not above enumerated	10.77	
Same in Michigan		10.77
Aggregate length of tracks belonging to this company computed as single track		68.31
Same in Michigan		68.31

Gauge of track, 4 feet 8½ inches.

STATE OF MASSACHUSETTS, } ss.
COUNTY OF SUFFOLK,

Nathaniel Thayer, president, Charles Merriam, secretary, of the Grand Rapids, Lansing & Detroit Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

N. THAYER, *President*,
CHAS. MERRIAM, *Secretary*.

Subscribed and sworn to before me this 9th day of April, A. D. 1896.

[L. S.]

F. H. DAMON,
Notary Public.

ANNUAL REPORT

OF THE

SAGINAW & WESTERN RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, NATHANIEL THAYER, Boston, Mass.
Secretary, JAMES E. HOWARD, Grand Rapids, Mich.
Treasurer, JAMES E. HOWARD, Grand Rapids, Mich.

DIRECTORS.

NATHANIEL THAYER, Boston, Mass.
E. V. R. THAYER, Boston, Mass.
CHAS. F. ADAMS, Boston, Mass.
CHAS. MERRIAM, Boston, Mass.
GEO. O. SHATTUCK, Boston, Mass.
A. H. HARDY, Boston, Mass.
G. ST. L. ABBOTT, Boston, Mass.
JNO. A. BURNHAM, Boston, Mass.
CHAS. M. HEALD, Grand Rapids, Mich.
Terms expire July 8, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: June 7, 1883.
Number of stockholders at date of last election: 9.
Number of stockholders in Michigan at same date: 1.
Amount of full paid stock held in Michigan at same date: $100.
Date of annual meeting of stockholders: second Wednesday in July.
Fiscal year of company ends December 31.
General offices of the company are located at Grand Rapids, Mich.

REMARKS.

This road is leased for thirty years, from July 1, 1883, to the Detroit, Lansing & Northern Railroad Company, that company paying the interest on the bonds and a dividend of 7 per cent per annum on the stock of this company as rental.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$675,000 00
Par value of shares		$100 00	
Average price received per share		100 00	
Number of shares issued	45		
Amount paid in on common			$4,500 00
Total amount paid in, as per books of the company			$4,500 00
Paid in per mile of road owned by company, 42.57 miles			105 71

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage bonds, 1883	6%	1913	Boston, Mass.	$566,000 00

RECAPITULATION.

Total debt liabilities	$566,000 00
Amount of debt liabilities per mile of road, 42.57 miles	13,295 75
Total amount of stock and debt	570,500 00
Stock and debt per mile of road	13,401 46

INTEREST ON THE FUNDED DEBT.

What is the amount of same due each year	$33,960 00

Was it paid for the last year? No.
If interest is in default state the years and amounts as follows:

In default, 1893	$16,980 00
In default, 1894	33,960 00
In default, 1895	33,960 00

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction	$568,586 65
Average cost per mile of road, not included in sidings, 42.57 miles	13,356 51
Proportion of cost of construction for Michigan	568,586 65

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini: August, 1896.

MAIN LINE.

		Miles.
Length completed in Michigan, Alma to Howard City		42.57
Total length of road belonging to this company		42.57
Total length of road belonging to this company in Michigan		42.57
Aggregate length of sidings, spurs and other tracks not above enumerated	10.57	
Same in Michigan		10.57
Aggregate length of tracks belonging to this company, computed as single track		53.14
Same in Michigan		53.14

Gauge of track, 4 feet, 8½ inches.

STATE OF MASSACHUSETTS, } ss.
COUNTY OF SUFFOLK,

Nathaniel Thayer, president, James E. Howard, secretary, of the Saginaw & Western Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

N. THAYER, *President*,
JAMES E. HOWARD, *Secretary*.

Subscribed and sworn to before me this 9th day of April, A. D. 1896, by N. Thayer.

[L. S.]

F. H. DAMON,
Notary Public.

STATE OF MICHIGAN, } ss.
COUNTY OF KENT,

Subscribed and sworn to before me this 6th day of April, A. D. 1896, as to James E. Howard, secretary.

[L. S.]

ERNEST N. WELLER,
Notary Public, Kent County, Mich.

ANNUAL REPORT

OF THE

DETROIT & MACKINAC RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed June 3, 1896.]

This report combines all transactions and includes all business done by the D., B. C. & A. R. R. and the D. & M. R'y during the entire year ending December 31, 1895.

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, C. H. COSTER, New York City.
Vice President, J. D. HAWKS, Detroit, Mich.
Secretary, A. H. GILLAND, New York City.
Auditor, G. M. CROCKER, Detroit, Mich.
Treasurer, J. H. EMANUEL, Jr., New York City.
General Manager, J. D. HAWKS, Detroit, Mich.
General Superintendent, C. W. LUCE, East Tawas, Mich.
Chief Engineer, D. J. CASEY, Bay City, Mich.
Cashier, J. H. MOUNT, Detroit, Mich.
General Passenger Agent, *General Freight Agent*, } T. G. WINNETT, East Tawas, Mich.
Attorney, F. L. STETSON, New York, N. Y.

DIRECTORS.

C. H. Coster, New York City.
E. N. Gibbs, New York City.
A. J. Thomas, New York City.
H. B. Hollins, New York City.
D. M. Dickinson, Detroit, Mich.
Terms expire December 31, 1895.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: December 29, 1894.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 1.
Date of annual meeting of stockholders: Last Tuesday in October.
Fiscal year of company ends June 30.
General offices of the company are located at Detroit, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$364,394 33
Total expenses, including taxes	$229,158 42	
Net income		$135,235 91

$30,000 of this balance was used in paying for new 70-lb. rails to relay in old main track.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$3,000,000 00
Par value of shares		$100 00	
Number of shares issued	20,150		
Amount paid in on common		$2,000,000 00	
Amount paid in on preferred		15,000 00	
Total amount paid in, as per books of the company			2,015,000 00
Paid in per mile of road owned by company, 253 miles			7,964 47

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First lien bonds, May 1, 1895	4%	June 1, 1995	New York	$900,000 00
Mortgage bonds, May 1, 1895	4%	June 1, 1995	New York	2,000,000 00
Total funded debt				$2,900,000 00

UNFUNDED DEBT.

For current balances	$323,453 01

RECAPITULATION.

Total funded debt	$2,900,000 00
Total unfunded debt	323,453 01
Total debt liabilities	$3,223,453 01
Amount of debt liabilities per mile of road, 253 miles	12,740 92
Total amount of stock and debt	5,238,453 01
Stock and debt per mile of road 253 miles	20,705 35

GENERAL BALANCE SHEET.—Dr.

Construction account		$4,345,252 87
Equipment account		223,941 60
Other investments:		
J. P. Morgan & Co., trust account		708,429 01
J. P. Morgan & Co., coupon account		101,000 00
		$5,278,623 96
Cash items:		
Cash		26,621 36
Other assets:		
Materials and supplies	$15,186 94	
Debit balances from companies and individuals	53,257 64	
		95,065 94
Total		$5,373,688 92

GENERAL BALANCE SHEET.—Cr.

Capital stock	$2,000,000 00	
Funded debt	2,900,000 00	
Preferred stock	15,000 00	
		$4,915,000 00
Unfunded debt:		
Interest unpaid	$42,000 00	
Vouchers and accounts	23,624 81	
Other liabilities:		
Balance of purchase Alpena & Northern R. R.	256,818 20	
Profit and loss or income accounts	135,235 91	
		458,688 92
Total		$5,373,688 92

COST OF ROAD AND EQUIPMENT.

Total cost for construction and equipment of road and branches built by company.

Total expended for construction and equipment	$4,469,193 97
Proportion of cost for Michigan	17,664 79

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares		$67,223 96
Express and baggage		1,886 .5
Mails		12,519 84
Total passenger department earnings		$81,629 95
Per train mile	20 88	
Per mile of road	322 65	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	261,758 15	
Total freight department earnings		261,758 15
Per train mile	31 18	
Per mile of road	1,034 62	
Total transportation earnings, entire line		$343,388 10
Transportation earnings per mile of road	$1,357 26	
Transportation earnings per train mile	1 55	
Miscellaneous receipts from operating account, other than for transportation		21,006 23
Total earnings from operation of road		$364,394 33
Less earnings on Alpena & Northern Division		104,188 72
Proportion of taxable earnings for Michigan		$260,205 61
Total earnings per mile of road	$1,440 29	
Total earnings per train mile	1 64	

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$40,924 42
Renewals of rails	955 84
Renewals of ties	7,834 65
Repairs and renewals of bridges and culverts	2,475 72
Repairs and renewals of fences, road crossings, signs and cattle guards	4,602 41
Repairs and renewals of buildings and fixtures	653 66
Repairs and renewals of telegraph	95 10
Stationery and printing	14 19
Other expenses	423 77
Total	$57,979 77

MAINTENANCE OF EQUIPMENT.

Superintendence	$120 93
Repairs and renewals of locomotives	11,574 60
Repairs and renewals of passenger cars	2,758 12
Repairs and renewals of freight cars	13,492 65
Repairs and renewals of work cars	365 44
Repairs and renewals of shop machinery and tools	891 64
Stationery and printing	23 06
Other expenses	2,727 24
Total	$31,948 68

CONDUCTING TRANSPORTATION.

Superintendence	$1,424 50
Engine and roundhouse men	21,502 48
Fuel for locomotives	20,634 82
Water supply for locomotives	2,010 98
Oil, tallow and waste for locomotives	2,112 37
Other supplies for locomotives	190 76
Train service	21,723 60
Train supplies and expenses	1,000 11
Switchmen, flagmen and watchmen	769 14
Telegraph expenses	1,435 04
Station service	10,122 21
Station supplies	737 87
Car mileage—balance	4,999 82
Loss and damage	3,842 41
Injuries to persons	177 06
Clearing wrecks	115 37
Advertising	241 50
Stationery and printing	442 23
Other expenses	294 66
Total	$103,776 05

GENERAL EXPENSES.

Salaries of general officers	$12,489 98
Salaries of clerks and attendants	8,648 69
General office expenses and supplies	232 15
Insurance	437 51
Law expenses	3,720 48
Stationery and printing (general offices)	1,709 63
Other expenses	3,479 70
Taxes	4,785 78
Total	$35,453 93

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	25.31	$57,979 77
Maintenance of equipment	13.94	31,948 68
Conducting transportation	45.28	103,776 05
General expenses, including taxes	15.47	35,453 92
Total operating expenses and taxes	100	$229,158 42
Operating expenses and taxes per mile of road		$905 77
Operating expenses and taxes per train mile run, for trains earning revenue, 222,447 miles		1 03
Per centage of expenses to earnings	62.89	
Net earnings per mile of road		584 53
Net earnings per train mile		60

DESCRIPTION OF ROAD.

From Alger, Mich., to La Roque, Mich., September 20, 1886.

MAIN LINE.

	Miles.	Miles.
Date when the road was opened for use between its present termini:		
In Michigan, from Alger to La Roque		134.30

BRANCHES.

Rose City Branch, from Emery Junction to Rose City	31.40	
Mud Lake Branch, from Mud Lake to Junction Loud Junction	11.25	
Valentine Lake Branch, from La Roque to Junction Valentine Lake	25.70	
Other branches	50.35	
Total length of branches owned by company		118.70
Total length of road belonging to this company in Michigan		253
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated		30
Aggregate length of tracks in Michigan belonging to this company, computed as single track		283

Gauge of track, 4 feet 8½ inches.

If north of parallel 44 of latitude:

Alpena & Northern R. R. purchased April 16, 1895.

Give date road commenced to be built:
May, 1893.

Give date road completed:
Sept. 23, 1894.

Give date road commenced to be operated:
Nov. 18, 1893.

Where built from and to:
Alpena to Jackson Lake.

Give exact number of miles:
34.7.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	14	1,476
Iron bridges	2	436
Combination bridges	2	1,437
Wooden trestles	6	992
Total	24	4,341

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Au Sable & Northwestern R. R. at Au Sable.

At what crossings are interlocking and derailing switches in operation?
Au Sable & Northwestern at Au Sable.

What pattern or patterns have you adopted?
Union Switch & Signal Co.

Number of crossings of highways at grade in this State	140

Are your frogs and guard rails blocked as required by act 174, session laws of 1883?
Yes?

How are they treated?
With wooden blocks.

Stations.

Number of stations on whole lines (all in Michigan)	46

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan)	304

Classify your employés as per following list:	Number.
Baggagemen	4
Brakemen	38
Conductors	15
Engineers	16
Firemen	16
Laborers	109
Shopmen	57
Yardmen	3
Others	47

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	71

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
Not required to fence.

Road bed and track.

Number of track sections in Michigan	26
Average length of sections, miles	10
Average number of men in each section gang	3
Number of new ties put in whole line during the year	41,500
Average number of new ties per mile of road	280
New rails put in track: Steel, tons, 2,000.	
Total miles of track laid with new rails	18

Bridges and culverts.

Amount of trestle work replaced with earth during the year, linear feet	324

New bridges built during the year number 1.

Location.	Kind.	Material.	Month built.	Feet in length.
One-half mile north of Au Sable	Pile trestle	Wood	September	153

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	19	$95,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	1	3,000 00
Total	20	$98,000 00
Number of passenger cars—8-wheel, including official cars	7	$16,700 00
Number of express and baggage cars	5	6,200 00
Number of box freight cars	35	9,300 00
Number of platform cars	290	58,850 00
Number of conductors' way cars	4	1,900 00
Other cars as follows:		
Timber trucks	270	17,700 00
Derrick	1	1,800 00
Total	612	$209,850 00

Number of locomotives equipped with power brakes	20
Number of passenger train cars equipped with power brakes	10

Number of freight cars equipped with power brakes: None.

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse, 6 locomotives, 10 cars.
American, 14 locomotives.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Gould.

How are your passenger cars heated?
Smith & Owens and Baker hot water.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Road all in Michigan.
Miles run by passenger trains during the year	72,450
Miles run by freight trains during the year	64,069
Miles run by mixed trains	85,928
Total mileage of trains earning revenue	222,447

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of local passengers carried, earning revenue	69,467		
Number of passengers carried one mile	2,452,956		
Average distance carried		35	
Average amount received from each passenger			$0 97
Average receipts per mile for local passengers			2¢5 70
Average receipts per passenger per mile for all passengers			02

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of local freight carried, earning revenue	435,107		
Total mileage of local freight		128,515	
Total freight mileage or tons carried one mile		14,358,531	
Average ton haul for local freight		33	
Average amount received for each ton haul			$0 60
Average receipts ton per mile, for all freight			02

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on his road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	1,541			.35
Flour	1,062			.24
Hay, tobacco and other agricultural products	1,448			.33
Products of animals:				
Live stock				
Dressed meats				
Other packing house products	1,718			.40
Poultry, game and fish				
Wool				
Hides and leather				
Provisions	1,223			.28
Products of mines:				
Anthracite coal	1,068			.25
Bituminous coal				
Stone, sand and other like articles	723			.17
Salt	329			.08
Products of forest:				
Lumber	30,162			6.90
Logs	351,278			81.00
Shingles	28,630			6.50
Manufactures:				
Petroleum and other oils	192			.04
Iron and steel rails	2,606			.55
Other castings and machinery	768			.16
Cement, brick and lime	277			.05
Other manufacturers	5,660			1.30
Merchandise	6,402			1.40
Total tonnage	435,107			100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

American Express Co.; one and one-half first-class rates on local; first class on through business; general express business; freights taken at depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

210 miles; Western Union Telegraph Co.

Fast freight lines.

To what fast freight lines, or other transportation companies running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid?

Name of company.	General office.	Amount paid.
Blue Line	Rochester, N. Y.	$643 15
Canada Southern Line	Rochester, N. Y.	257 13
Swift Refrigerator Transportation Co.	Chicago, Ill.	84 74
G. H. Hammond Co.	Hammond, Ind.	85 05
Arms Palace Horse Car Co.	Chicago, Ill.	1 26
Boston Stock Car Co.	Boston, Mass.	3 78
Merchants Despatch Transportation Co.	New York, N. Y.	101 54
Empire Line	Philadelphia, Pa.	4 87
National Car Co.	St. Albans, Vt.	4 21
Armour Car Lines	Chicago, Ill.	3 87
Western Rolling Stock and Equipment Co.	Chicago, Ill.	1 26
Commerce Despatch Line	Indianapolis, Ind.	1 89
Interstate Coal Car Supply Co.	Buffalo, N. Y.	61
White Line Central Transportation Co.	Buffalo, N. Y.	2 83
Red Line Transit Co.	Buffalo, N. Y.	1 81
Union Tank Line Co.	New York, N. Y.	87
Provision Dealers Despatch	Chicago, Ill.	33 06
Midland Line	Buffalo, N. Y.	1 26
Laurel Hill Car and Coal Co.	Chicago, Ill.	1 26
Peavey Grain Line Co.	Minneapolis, Minn.	70
Pittsburg Plate Glass Co.	Pittsburg, Pa.	1 26
G. B. Hodgeman & Co.	Sandusky, Ohio.	3 11
J. E. B. Furniture Line	Atlanta, Ga.	96

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

March 12, W. H. Hancock, citizen, Maltby. Wreck; trespasser.
June 11, Davins Thompson, citizen, Prescott. Walking on track; trespasser.
June 24, Alva Caran, citizen, Blong. Fell from train; his own carelessness.
July 5, Michael Price, citizen, Rainy Lake. Lying on track; intoxicated.

INJURED.

January 14, M. Morse, conductor, Tawas City. Coupling; accidental.
March 30, T. Leakey, brakeman, Smith Junction. Coupling; carelessness.
July 10, J. Resche, brakeman, Black River. Coupling; accidental.
August 19, Frank Allen, engineer, Posen. Engine struck tree on track.
October 10, C. O'Brien, conductor, Alger. Jumped from train; carelessness.
Nov. 1, A. Zupbywski, citizen, La Roque. Boarding moving train; carelessness.
Nov. 25, W. Ducham, citizen, Lupton. Coupling; carelessness.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars					4	
Derailments			1		1	
Falling from trains			1			
Getting on and off trains				1		
Miscellaneous					1	
Trespassers on tracks			2			
Total			4	1	6	

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	4
Number of persons injured during the year	7
Number of casualities purely accidental	3
Number resulting from lack of caution, carelessness or misconduct	5
Persons killed or injured while intoxicated	1
Trespassers and tramps killed or injured	2

CLASSIFICATION OF EMPLOYÉS.

KILLED OR INJURED IN MICHIGAN.

	Killed.	Injured.	Total.
Brakemen		2	2
Conductors		2	2
Engineers		1	1
Not classified above		1	1
Total		6	6

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

James D. Hawks, vice president, and George M. Crocker, auditor, of the Detroit & Mackinac Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

JAMES D. HAWKS,
GEORGE M. CROCKER.

Subscribed and sworn to before me this 3d day of June, A. D. 1896.

ED. A. RUNDELL,
Notary Public, Montcalm Co.

ANNUAL REPORT

OF THE

DETROIT & MACKINAC RAILWAY COMPANY, ALPENA AND NORTHERN DIVISION.

For the year ending December 31, 1895.

[Filed June 3, 1896.]

COST OF ROAD AND EQUIPMENT.

PURCHASED BY PRESENT COMPANY.

When purchased: April 16, 1895.

Original cost to present company, of road and equipment	$325,000 00

ANALYSIS OF EARNINGS, ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$9,999 75	
Mails	791 77	
Total passenger department earnings		10,791 52

FREIGHT EARNINGS.

Main line and branches:		
Total freight department earnings		93,357 20
Total transportation earnings, entire line		$104,188 72
Miscellaneous receipts from operating account, other than for transportation		40 00
Total earnings from operation of road		104,188 72

DESCRIPTON OF ROAD.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Alpena to La Roque	29	

BRANCHES.

Valentine Lake, from La Roque to Valentine Lake	25.70	
Other, from——— to———	30	
Total length of branches owned by company		55.70
Total length of branches owned by this company in Michigan		84.70
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated		7
Aggregate length of tracks in Michigan belonging to this company computed as single track		92

Gauge of track, 4 feet 8½ inches.

If north of parallel 44 of latitude.
Give date road commenced to be built.
May, 1893.

Give date road completed.
September 23, 1894.

Give date road commenced to be operated.
November 18, 1893.

Where built from and to.
Alpena to La Roque.

Give exact number of miles.
84.7 miles.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

James D. Hawks, vice president, and George M. Crocker, Auditor of the Detroit & Mackinac Railway Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed JAMES D. HAWKS.
GEORGE M. CROCKER.

Subscribed and sworn to before me this 3d day of June, A. D. 1896.

ED. A. RUNDELL.
Notary Public, Montcalm Co.

ANNUAL REPORT

OF THE

DULUTH, SOUTH SHORE & ATLANTIC RAILWAY COMPANY.

For the year ending December 31, 1895.

[Filed April 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, GEN. SAMUEL THOMAS, New York City.
1st Vice President, HON. CALVIN S. BRICE, New York City.
2d Vice President, SIR WILLIAM C. VAN HORN, Montreal, Canada.
Secretary, GEO. H. CHURCH, New York City.
Auditor, A. E. DELF, Marquette, Mich.
Treasurer, E. W. ALLEN, Marquette, Mich.
General Manager, WM. F. FITCH, Marquette, Mich.
Superintendent, C. E. LYTLE, Marquette, Mich.
Division Superintendents:
A. M. SUTHERLAND, Thomaston, Mich.
F. E. KETCHUM, Marquette, Mich.
Chief Engineer, H. J. PAYNE, Marquette, Mich.
Acting General Passenger Agent, GEO. W. HIBBARD, Marquette, Mich.
General Freight Agent, WM. ORR, Duluth, Minn.
Attorney, A. B. ELDRIDGE, Marquette, Mich.

DIRECTORS.

GEN. SAMUEL THOMAS, New York City.
HON. CALVIN S. BRICE, New York City.
RT. HON. LORD MOUNT STEPHEN, London, England.
SIR DONALD A. SMITH, Montreal, Canada.
SIR WILLIAM C. VAN HORN, Montreal, Canada.
THOMAS G. SHAUGHNESSY, Montreal, Canada.
JOHN W. STERLING, New York City.
WALTER WATSON, New York City.
THOMAS W. PEARSALL, New York, City.
GEO. H. CHURCH, New York City.
WILLIAM F. FITCH, Marquette, Mich.
Terms expire June 5, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When charter or articles of association filed: March 7, 1887.
Number of stockholders at date of last election: 305.
Number of stockholders in Michigan at same date: 14.
Amount of full paid stock held in Michigan at same date: 8,082 shares.
Date of annual meeting of stockholders: first Thursday in June.
Fiscal year of company ends December 31.
General offices of the company are located at Marquette, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$1,807,111 13
Total expenses, including taxes	$1,157,104 98	
Net income		$650,006 15
Interest on funded debt	$366,385 00	
Interest on unfunded debt	26,785 86	
Rentals of buildings, tracks, etc., included in operating expenses.		
Balance for the year	$243,114 71	
Balance (profit and loss) last year	797,448 62	
Items not included in above	59,787 90	
Balance forwarded to next year		930,775 43

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$22,000,000 00
Par value of shares		$100 00	
Number of shares issued	220,000		
Amount paid in on common		$12,000,000 00	
Amount paid in on preferred		10,000,000 00	
Total amount paid in, as per books of the company			22,000,000 00
Paid in per mile of road owned by company, 572.43 miles			$38,432 65

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
D., S. S. & A. first mortgage, Jan. 1, 1887	5%	Jan. 1, 1937	New York City	$4,000,000 00
D., S. S. & A. first consols, Aug. 1, 1890	4%	Aug. 1, 1990	New York City	14,928 000 00
M., H. & O., 6% mortgage bonds, April 1, 1885	6%	April 1, 1925	New York City	1,077,000 00
D. S. S. & A. 20 year income certificates, December 31, 1892	4%	Dec. 31, 1912	New York City	3,000,000 00
Car trust notes of Feb. 6, 1894	None.	Dec. 1, 1903	Toronto, Ont.	81,598 76
Car trust notes of Oct. 2, 1895	None.	Oct. 1, 1905	Toronto, Ont.	101,993 20
Total funded debt				$23,188,585 96

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated.	Amount.
For accrued fixed charges		$264,871 66
For miscellaneous		2,715,493 67
For current balances		503,342 12
Total unfunded debt		$3,484,106 45

RECAPITULATION.

Total funded debt	$23 183,585 96
Total unfunded debt	3,484,106 45
Total debt liabilities	$26,667,692 41
Amount of debt liabilities per mile of road, 572.43 miles	46,586 82
Total amount of stock and debt	48,667,692 41
Stock and debt per mile of road, 572.43 miles	85,019 47

GENERAL BALANCE SHEET—Dr.

Construction account		$42,405,667 78
Equipment account		2,331,901 59
Other investments:		
Mackinac Transportation Co.	$335,218 63	
Lake Superior Terminal & Transfer R'y	18,100 00	
Lake Michigan & Lake Superior R'y	7,662 68	
Duluth Manufacturing Co.	2,367 00	
Ropes Gold Mining Co.	200 00	
Sault Ste. Marie Bridge Co.	250 00	
Mineral Range R. R.	351,195 00	
Duluth & Winnepeg R. R.	1,916,988 63	
Western Express Co.	25,000 00	
M., H. & O. Lands	9,540 99	
D., S. S. & A. lands	109 29	
		2,566,712 22
Cash items:		
Cash	$90,466 85	
Due from agents	60,958 24	
		151,425 09
Other assets:		
Materials and supplies	$128,607 12	
Debit balances from companies and individuals	102,603 23	
		231,210 35
Profit and loss		980,775 43
Total		$48,667,692 41

GENERAL BALANCE SHEET—Cr.

Capital stock		$22,000,000 00
Funded debt:		
D., S. S. & A. Consol 4% gold bonds	$14,923,000 00	
D., S. S. & A. 1st mortgage 5% bonds	4,000,000 00	
M. H. & O. 6% bonds of 1925	1,077,000 00	
Income certificates	3,000,000 00	
Car trust notes, 2d series	81,592 76	
Car trust notes, 3d series	101,992 20	
		23,183,585 96
Unfunded debt:		
Interest unpaid	$264,871 66	
Notes payable	690,000 00	
Vouchers and accounts	403,342 12	
Other liabilities:		
Miscellaneous loans	2,125,892 67	
		3,484,106 45
Total		$48,667,692 41

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$44,737,569 32
Average cost per mile of road (not including sidings) 572.43 miles	78,153 78
Proportion of cost for Michigan, 464.71 miles	36,318,343 94

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Lands and right of way, extensions and new sidings	$25,241 77
Refunding bonded debt	25,296 42
New buildings	339 80
New fences	9,139 35
New cars	113,258 51
Total	$173,275 85
Total charges to property account as above	$173,275 85
Net addition to property account	173,275 85

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$264,761 72	
Through fares	138,571 83	
Total passenger fares	$403,333 55	
Express and baggage	27,251 09	
Mails	42,314 62	
Other sources	50 00	
Total passenger department earnings		$473,849 26
Per train mile	$0 83.1	
Per mile of road	1,011 03	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$553,408 38	
Through traffic	577,818 25	
Total traffic	$1,131,226 63	
Other sources, freight department	9,640 45	
Total freight department earnings		1,140,867 08
Per train mile	$1 77	
Per mile of road	2,439 37	

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$310,010 45	
Through fares	140,015 42	
Total passenger fares	$450,025 87	
Express and baggage	30,675 17	
Mails	49,015 02	
Other sources	50 00	
Total passenger department earnings		$529,766 06
Per train mile	$0 81.2	
Per mile of road	909 97	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$655,285 06	
Through traffic	595,992 03	
Total traffic	$1,251,277 09	
Other sources, freight department	9,640 45	
Total freight department earnings		1,260,917 54
Per train mile	$1 66.6	
Per mile of road	2,165 85	
Total transportation earnings, entire line		$1,790,683 60
Transportation earnings per mile of road	$3,075 82	
Transportation earnings per train mile	1 27	
Miscellaneous receipts from operating account, other than for transportation:		
From rents of tracks, yards and terminals	6,472 50	
From rents not otherwise provided for	9,955 03	
Total		$16,427 53

Distribution of miscellaneous earnings between main line and leased or proprietary roads:

Company:	Total miscellaneous	Proportion for Michigan.
D., S. S. & A. R'y	$16,427 53	$14,359 35

Total earnings from operation of road		$1,807,111 13
Total earnings per mile of road	$3,104 04	
Total earnings per train mile	1 28.2	
Proportion of taxable earnings for Michigan		1,628,075 69
Total taxable earnings per mile of road in Michigan		3,481 10
Income other than from earnings		59,797 90
Total income from all sources		$1,866,899 03
Proportion of income for Michigan		1,676,613 69

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$198,332 67
Renewals of rails	1,040 74
Renewals of ties	27,876 56
Repairs and renewals of bridges and culverts	23,677 20
Repairs and renewals of fences, road crossings, signs and cattle guards	2,332 25
Repairs and renewals of buildings and fixtures	5,345 77
Repairs and renewals of docks and wharves	2,765 91
Repairs and renewal of telegraph	2,265 18
Stationery and printing	66 91
Other expenses	8 45
Total	$263,831 64

MAINTENANCE OF EQUIPMENT.

Superintendence	$3,303 96
Repairs and renewals of locomotives	42,232 95
Repairs and renewals of passenger cars	17,339 02
Repairs and renewals of freight cars	46,056 15
Repairs and renewals of work cars	2,969 71
Repairs and renewals of shop machinery and tools	4,237 70
Stationery and printing	139 11
Other expenses	6,404 17
Total	$127,692 18

CONDUCTING TRANSPORTATION.

Superintendence	$25,548 53
Engine and roundhouse men	132,942 32
Fuel for locomotives	142,505 25
Water supply for locomotives	11,236 57
Oil, tallow and waste for locomotives	3,756 01
Other supplies for locomotives	1,688 40
Train service	91,567 85
Train supplies and expenses	16,133 96
Switchmen, flagmen and watchmen	37,997 91
Telegraph expenses	31,124 49
Station service	105,718 17
Station supplies	8,688 24
Switching charges—balance	8,437 07
Car mileage—balance	2,350 78
Hire of equipment	137 10
Loss and damage	4,308 10
Injuries to persons	5,009 95
Clearing wrecks	155 51
Advertising	2,206 97
Outside agencies	9,478 86
Rents for tracks, yards and terminals	9,777 99
Rent of buildings and other property	5,258 34
Stationery and printing	9,581 75
Other expenses	552 00
Total	$665,561 12

GENERAL EXPENSES.

Salaries of general officers	$19,766 25
Salaries of clerks and attendants	24,625 02
General office expenses and supplies	2,659 30
Insurance	6,814 07
Law expenses	5,597 94
Stationery and printing (general offices)	2,288 94
Other expenses	2,656 86
Taxes	35,601 65
Total	$100,020 04

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	22.80	$263,831 64
Maintenance of equipment	11.05	127,692 18
Conducting transportation	57.52	665,561 12
General expenses, including taxes	8.64	100,020 04
Total operating expenses and taxes	100.00	$1,157,104 98

Operating expenses and taxes per mile of road	$1,987 54	
Operating expenses and taxes per train mile run, for trains earning revenue, 1,409,607 miles	82.08	
Total proportion of expenses and taxes for Michigan		$1,027,014 15
Percentage of expenses to earnings	64.03	
Net earnings per mile of road	$1,116 50	
Net earnings per train mile	46.11	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Marquette to Ishpeming, 1857.
From Ishpeming to Champion, June, 1865.
From Humboldt to Republic, September, 1872.
From Champion to L'Anse, December, 1872.
From St. Ignace to Marquette, December, 1881.
From L'Anse to Houghton, July, 1883.
From Marquette to Winthrop Junction, June, 1884.
From Sault Ste. Marie, to Soo Junction, October, 1887.
From Nestoria to Iron River, September, 1888.
From Iron River to West Superior, December, 1892.
Palmer Branch, August, 1888.
Bay Mills Branch, May, 1891.
Bessemer Branch, November, 1888.
Newberry Asylum Branch, June, 1894.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Sault Ste. Marie to Wisconsin State Line	302.27	
In Michigan, from St. Ignace to Soo Junction	42.97	
In Michigan, from Nestoria to Houghton	48.24	
In Michigan, from Marquette to Winthrop Junction	17.33	
		410.91
In Wisconsin, from Michigan State Line to West Superior		106.53
Total length completed		517.44
Length of double track on main line		2.46

BRANCHES.

Palmer, Negaunee to Volunteer Mine	6.09
Bay Mills, Bay Mills Station to Hall & Munson Mill	2.25
Republic, Humboldt to Republic	8.70
Bessemer, Bessemer Junction to end of track	2.06
Newberry Asylum Branch	2.27
Hall, Munson & Perry Branch	7.89
Ann River Branch	.88
Prison Branch	.45
Furst Stone Quarry Branch	.49
Teal Lake Branch	2.10
Lake Angeline Branch	.65
Baron Branch	.89
Martel Furnace Branch	1.85
Mackinaw Mill Branch	.70
Lake St. Marquette Branch	1.44
Polygonal Branch	.45
Eagle Mill Y's Branch	.62
Winthrop Branch	1.98
Dexter Branch	2.60
Boston Branch	2.06
Champion Branch	.98
Beaufort Branch	.57
Neff's Kitchi Branch	1.87
Trout Creek Branch	.91
McRae's Ewen Branch	.81
Clark, Furnum & Co.'s Branch	.79
Grand Rapids Mine Branch	1.72
L'Anse M'dse Pier Branch	.81
Baraga Mill Branch	.46
Nemadji Branch (Wisconsin)	1.19
Total	54.99

	Miles.	Miles.
Total length of branches owned by company		54.99
Total length of branches owned by company in Michigan	53.80	
Total length of road belonging to this company		573.42
Total length of road belonging to this company in Michigan	464.71	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated		109.71
Aggregate length of tracks in Michigan belonging to this company, computed as single track		574.42

Gauge of track, 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

Name, description and length of each:	Total miles.	In Michigan.
Trackage rights:		
Dead River R. R.	2.98	2.98
Northwestern Coal R'y	.38	
Chic., St. Paul, Minn. & Om. R'y	1.64	
Lake Superior Terminal & Transfer R'y	.72	
Northern Pacific R. R.	3.83	
Duluth Union Depot Co.	.20	
Total	9.75	2.98
Total miles operated by the company	582.18	467.69

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges, spans*	29	2,181.5
Iron bridges	7	480
Wooden trestles	231	45,597.5
Total	268	48,259

Draw bridges in Michigan.

How many on your line? 1

Where located, when built, and length of draw span:
On Bay Mills branch, February, 1891, 27 ft. 3 in.

Character of structure:
Jack-knife draw.

Material of which constructed:
Wood and iron.

Heighth above water and depth of water under bridge:
2 feet 4 inches in clear; depth 12½ ft.

How swung, by engine or hand power?
Hand.

Approaches straight or curved?
Straight.

Do you require all trains to come to full stop before crossing a draw, and how are they signaled?
Yes; no signals account; no regular scheduled trains.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?

Minn., St. Paul & S. S. Marie R'y at Trout Lake	1
Newberry Narrow Gauge R. R. at Newberry	1
Manistique R'y at west of Seney	1
Chicago & Northwestern R'y at Palmer Branch	2
" " " South Jackson	1
" " " Negaunee Station	1
" " " West Negaunee, Main line	1
" " " Barnum Mine	1
" " " St. Lawrence Mine	1
" " " Lake Angeline Mine	1
" " " Winthrop Branch	3
" " " Boston Branch	1
" " " Republic Mine	1
" " " Michigamme, Main Line	1
" " " " Mill Tracks	2
" " " Lake Superior, Sec. 7, mine	1

* The 29 wooden spans are parts of certain trestles.

Chicago, Milwaukee & St. Paul R'y at Champion	1
" " " " West Republic	1
" " " " Republic Mine	1
" " " " Republic	1
" " " " Sidnaw	1
Nester Logging Road, at Sidnaw	1

What railroads cross your road either over or under your grade in this State, and where?

Over:	
Chicago & Northwestern R. R. one mile east of Champion	1
Iron Range & Huron Bay R. R. one mile west of Champion	1
Under:	
Munising R. R. at Munising Junction	1
Chicago & Northwestern R. R. at Negaunee (two crossings)	2

At what crossings are interlocking and derailing switches in operation?

Chicago & Northwestern R'y at Republic	1
C. M. & St. P. R'y at Republic	1
Manistique R'y at Seney	1
Chicago & Northwestern R'y at Michigamme	1
C. M. & St. P. R'y at Sidnaw	1

What pattern or patterns have you adopted?
At Republic and Michigamme Union Switch and Signal Company.
At Seney Gravitt Interlocking Switch Company.
At Sidnaw, Saxby & Farmar.

Number of crossings of highways at grade in this State	184
Number of crossings of highways at grade in this State at which there are gates or flagmen	16
Number of crossing of highways over or under railroad (over 2, under 9)	11
Number of highway bridges, 18 ft above track	2

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Filled in with wooden blocks.

Stations.

Number of stations on whole lines	58
Same in Michigan	48

Employés.

Number of persons regularly employed on all roads operated by company, including officials	1,539
Same in Michigan	1,413

Classify your employés as per following list:	Number
Baggagemen	22
Brakemen	85
Conductors	41
Engineers	66
Firemen	62
Laborers	547
Shopmen	263
Yardmen	62
Others	390

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	410.20

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:

Mackinaw	26.12
Chippewa	106
Luce	42.20
Schoolcraft	36.13
Alger	51.12
Marquette	65.50
Baraga	59.10
Houghton	23.34
Ontonagon	22.50
Gogebic	44.30
Total miles required	476.31

Road bed and track.

Number of track sections in Michigan		90
Average lengths of sections, miles	5.16	
Average number of men in each section gang		4
Number of new ties put in whole line during the year		164,089
Number of new ties put in track in Michigan		137,461
Average number of new ties per mile of road		287
New rails put in track:		
Steel tons 48 300-2240.		
Total miles of track laid with new rails	1 110-5,280	

Bridges and culverts.

Amount of trestle work replaced with earth during the year (linear feet)	832
	Number.
Timber culverts replaced during the year:	
With timber	12
New bridges built during the year—number	1

Location.	Kind.	Material.	Month built.	Feet in length.
Munising R'y Junct., 116.7 miles west of Sault Ste. Marie	Pile	Wood	November	80

ROLLING STOCK.

	Number.	Present estimated value
Number of locomotives of more than 30 tons weight, exclusive of tender	85	$511,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	10	27,500 00
Total	95	$538,500 00
Number of passenger cars, 8-wheel, including official cars	37	$148,000 00
Number of express and baggage cars	12	24,000 00
Number of box freight cars	1,152	460,800 00
Number of platform cars	593	177,900 00
Number of ore cars	1,512	311,400 00
Number of conductors' way cars	21	15,500 00
Other cars	91	77,800 00
Total	3,428	$1,753,900 00
Number of locomotives equipped with power brakes		72
Number of passenger train cars equipped with power brakes		49
Number of freight cars equipped with power brakes		25

What patterns of power brakes have you in use, and number of locomotives and cars with each?
24 locomotives Westinghouse.
25 locomotives Westinghouse and American steam brake.
23 locomotives American steam brake.
49 passenger cars Westinghouse.
25 freight cars Westinghouse.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Trojan (M. C. B.).

How are your passenger cars heated?
Mason and Baker heaters.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	641,969	558,003
Miles run by freight trains during the year	724,422	612,250
Miles run by mixed trains	43,216	43,216
Total mileage of trains earning revenue	1,409,607	1,213,469

Passenger traffic.—Entire lines.

	Number.	Miles.	Rate.
Number of through passengers carried, earning revenue	39,619		
Number of local passengers carried, earning revenue	316,360		
Total number of passengers carried, earning revenue	355,979		
Number of passengers carried one mile	15,422,530		
Average distance carried		43.3243	
Average amount received from each passenger			$1 26.419
Average receipts per mile for through passengers			02.629
Average receipts per mile for local passengers			03.070
Average receipts per passenger per mile for all passengers			02.917

Estimated cost of carrying each passenger one mile: We have no data from which to enable us to reply to this question, as passenger and freight expenses are not kept separately.

Passenger traffic.—In State of Michigan.

	Number.	Miles.	Rate.
Number of through passengers carried, earning revenue	38,979		
Number of local passengers carried, earning revenue	276,577		
Total number of passengers carried, earning revenue	315,556		
Number of passengers carried one mile	13,571,705		
Average distance carried		43.0089	
Average amount received from each passenger			$1 27.810
Average receipts per mile for through passengers			02.574
Average receipts per mile for local passengers			03.233
Average receipts per passenger per mile for all passengers			02.907

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	515,563		
Number of tons of local freight carried, earning revenue	1,615,725		
Total tons of freight carried, earning revenue	2,131,288		
Total mileage of through freight		74,809,090	
Total mileage of local freight		31,383,359	
Total freight mileage or tons carried one mile		106,192,449	
Average ton haul for through freight		145.1017	
Average ton haul for local freight		19.4237	
Average ton haul for all freight		49.8255	
Average amount received for each ton haul			$0 58.709
Average receipts ton per mile, for through freight			00.796
Average ton receipts per mile, for local freight			03.088
Average receipts ton per mile, for all freight			01.178

Estimated cost of carrying one ton one mile: We have no data from which to enable us to reply to this question, as freight and passenger expenses are not kept separately.

Freight traffic.—In State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	489,281		
Number of tons of local freight carried, earning revenue	1,573,004		
Total tons of freight carried, earning revenue	2,062,285		
Total mileage of through freight		64,077,446	
Total mileage of local freight		29,385,481	
Total freight mileage or tons carried one mile		93,462,927	
Average ton haul for through freight		130.9635	
Average ton haul for local freight		18.6811	
Average ton haul for all freight		45.3203	
Average amount received for each ton haul			$0 54.853
Average receipts ton per mile, for through freight			00.901
Average receipts ton per mile, for local freight			01.888
Average receipts ton per mile, for all freight			01.210

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	3,082	17,745	20,827	.98
Flour	34,820	61,726	96,546	4.53
Other mill products	3,659	3,886	7,545	.35
Hay	2,825	14,028	16,853	.79
Fruit and vegetables	872	7,029	7,901	.37
Products of animals:				
Live stock	750	1,645	2,395	.11
Dressed meats	25	9,558	9,583	.45
Other packing house products	29	21	50	.....
Poultry, game and fish	337	133	470	.02
Wool	.....	2,051	2,051	.10
Hides and leather	55	7	62	.....
Products of mines:				
Anthracite coal	6,691	40	6,731	.32
Bituminous coal	54,846	391	55,237	2.59
Coke	.....	212	212	.01
Ores	1,153,322	.....	1,153,222	54.11
Stone, sand, and other like articles	5,819	1,490	7,309	.34
Products of forest:				
Lumber	161,547	16,259	178,806	8.39
Logs	345,730	.....	345,730	16.22
Manufactures:				
Petroleum and other oils	548	4,739	5,287	.25
Sugar	.....	1,468	1,468	.07
Iron, pig and bloom	15,160	1,659	16,819	.79
Iron and steel rails	1,532	2,097	3,629	.17
Other castings and machinery	5,923	4,489	10,412	.49
Bar and sheet metal	475	4,038	4,513	.21
Cement, brick and lime	1,605	5,523	7,128	.33
Agricultural implements	.....	208	208	.01
Wagons, carriages, tools, etc.	156	813	969	.05
Wines, liquors and beers	507	2,736	3,243	.15
Household goods and furniture	456	520	976	.05
Merchandise	28,139	38,995	67,134	3.15
Miscellaneous:				
Other commodities not mentioned above	64,180	33,792	97,972	4.60
Total tonnage	1,893,990	237,298	2,131,288	100

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road, in Michigan. Whole tons.	Freight originating on this road outside of Michigan, and all freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	67	20,760	20,827	1.01
Flour	221	96,315	96,546	4.68
Other mill products	88	7,280	7,368	.36
Hay	125	16,652	16,777	.81
Fruit and vegetables	403	7,498	7,901	.38
Products of animals:				
Live stock	240	2,110	2,350	.11
Dressed meats		9,583	9,583	.46
Other packing house products	50		50	
Poultry, game and fish	213	257	470	.02
Wool		2,051	2,051	.10
Hides and leather	55	7	62	
Products of mines:				
Anthracite coal	6,040	616	6,656	.32
Bituminous coal	54,300	927	55,227	2.68
Coke		212	212	.01
Ores	1,153,222		1,153,222	55.97
Stone, sand and other like articles	5,583	1,726	7,309	.35
Products of forest:				
Lumber	127,362	1,944	129,306	6.27
Logs	331,811	5,469	337,280	16.35
Manufactures:				
Petroleum and other oils	427	4,860	5,287	.25
Sugar		1,468	1,468	.07
Iron, pig and bloom	14,984	1,835	16,819	.81
Iron and steel rails	1,532	2,097	3,629	.17
Other castings and machinery	5,563	4,764	10,327	.50
Bar and sheet metal	451	4,062	4,513	.22
Cement, brick and lime	1,051	6,077	7,128	.34
Agricultural implements		208	208	.01
Wagons, carriages, tools, etc.	132	837	969	.05
Wines, liquors and beers	507	2,736	3,243	.16
Household goods and furniture	367	609	976	.05
Merchandise	24,776	31,763	56,539	2.74
Miscellaneous:				
Other commodities not mentioned above	54,907	43,065	97,972	4.75
Total tonnage	1,784,487	277,798	2,062,285	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

Western Express Company. Does a general business. We receive variable amounts per month based upon the earnings of the Western Express Company. We take their freights at our depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

334 miles of line, and 448.04 miles of wire belongs to D. S. S. & A. R'y Co.

294.70 miles of line, and 842.80 miles of wire belongs to the Western Union Telegraph Co.

Transportation Companies.

SLEEPING, DRAWING ROOM AND PALACE CAR COMPANIES.

What sleeping, drawing room, chair or other palace passenger cars, not the exclusive property of your own or some other railroad company, have, during the year, been in use on your road in the State of Michigan, and on what terms? If rented by you, or allowed mileage between local points in this State, what was the amount paid for the use of such cars during the period under report?

Wagner Palace Car Co., New York City $6,305 02

Fast freight lines.

To what fast freight lines or other transportation companies, running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid?

Name of company.	General office.	Amount paid.
Armour Car Lines	Chicago, Ill.	$483 42
Arme' Palace Horse and Stock Car Co.	Chicago, Ill.	54 17
American Refrigerator Transit Co.	St. Louis, Mo.	13 07
Armour Packing Co.	Kansas City, Mo.	190 87
American Tank Line	Cleveland, Ohio	11 94
Anglo-American Refrigerator Car Co.	Chicago Ill.	7 62
Blue Line	Rochester, N. Y.	1,021 03
Burton Stock Car Co.	Chicago, Ill.	2 96
Canada Southern Line	Rochester, N. Y.	63 64
Chicago Refrigerator Car Co.	Chicago, Ill.	41 51
Canada Cattle Car Co.	Chicago, Ill.	76
Craig Oil Co.	Toledo, Ohio	13 89
Corn Planters' Refining Co.	Warren, Pa.	6 10
California Fruit Transportation Co.	Chicago, Ill.	1 23
Cudahy Refrigerator Line	South Omaha, Neb.	10 94
Cudahy Milwaukee Refrigerator Line	Milwaukee, Wis.	2 00
Continental Fruit Express Line	Chicago, Ill.	1 49
Commercial Dispatch Line	Indianapolis, Ind.	32
Crescent Oil Line	New York, N. Y.	32
Canadian Pacific Despatch	Boston, Mass.	1,873 46
Dold Packing Co.	Kansas City, Mo.	45
Empire Line	Philadelphia, Pa.	68 74
Glade Tank Line	Philadelphia, Pa.	26
Goodell Refrigerator Co.	Chicago, Ill.	1 23
Hammond Refrigerator Line	Hammond, Ind.	468 59
Heinz Pickle Refrigerator Line	Chicago, Ill.	4 33
International Fruit Dealers' Despatch	Chicago, Ill.	8 33
Keystone Palace Horse Car Co.	Chicago, Ill.	91
Merchants' Despatch Transportation Co.	New York, N. Y.	289 84
Morris & Co. Refrigerator Line	Chicago, Ill.	119 58
National Despatch Line	St. Albans, Vt.	48 64
Paragon Refining Co.	Toledo, Ohio	39 87
Provision Dealers' Despatch	Chicago, Ill.	12 92
Peavey Grain Co.	Minneapolis, Minn.	5 30
Peerless Tank Line	Cleveland, Ohio	68 87
Red Line Transit Co.	Buffalo, N. Y.	66 85
Swifts' Refrigerator Line	Chicago, Ill.	316 57
Streets' Western Stable Car Co.	Chicago, Ill.	3 50
Southern Iron Car Line	Atlanta, Ga.	4 50
Sun Oil Line	Toledo, Ohio	66 80
St. Louis Refrigerator Car Co.	St. Louis, Mo.	6 10
Union Tank Line	New York, N. Y.	49 35
Union Refrigerator Transit Co.	St. Louis, Mo.	125 77
White Line	Buffalo, N. Y.	3 10

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

August 6, Ang. Erickson, section foreman, Driggs. Cause unknown; supposed to have fallen from train when passing Driggs station.
August 29, Loyd Quick, laborer, Bay Mills. Fell from bridge and instantly killed.
October 14, Mrs. Anna Wood, trespasser, Kenton. Trying to get over bridge ahead of train, train struck and knocked her off bridge.
November 6, F. Billiveau, trespasser, Marquette. Walking on track and did not see engine in time to get away; run over and killed.
January 19, John Hayes, trespasser, Matchwood. Got caught between two moving empty flat cars; left arm and left let leg crushed.
May 19, Erick Hytyte, trespasser, Trout Creek. Lying on a bridge asleep, evidently intoxicated; run over and killed.

INJURED.

January 15, D. McDermott, Carpenter, Ewen. Trying to cross over between train of cars; fell between, cars run over his foot.
January 24, J. Oudette, brakeman, Marquette. Coupling; caught between draw heads.
January 25, T. T. Hurley, brakeman, Marquette. Hand pinched while coupling cars.
February 18, A. Olson, trespasser, Marquette. Trying to jump on moving engine; knocked down and back slightly injured.
March 3d, King Messier, switchman, Marquette. Fell from top of box car; left ankle fractured.
March 14, J. Mahoney, brakeman, Marquette. Chest squeezed while coupling engine to cars.
March 16, R. Cleminson, brakeman, Marquette. Left ankle sprained by falling from ladder of car.
May 8, G. Wimmer, laborer, Houghton. Fell off a flat car while unloading freight, striking on neck and shoulders.
May 2, J. Perkins, conductor, Marquette. Coupling cars; draw heads slipped by, squeezing hips.
May 7, H. Palm, laborer, Kenton. Lining track on a bridge; bar slipped and he fell about 30 feet to the ground below; both arms fractured at wrist.
May 17, J. V. Coughlin, brakeman, Sault Ste. Marie. Coupling cars; caught thumb between draw heads.
June 2, Charles L'Fevre, trespasser, Trout Creek. Stealing a ride on a passenger train; fell off and broke his nose.
June 27, H. Mattson, dock laborer, Marquette. While helping to lower an ore pocket spout, caught his fingers in the gearing.
July 5, D. Nolan, Jr., switchman, Ishpeming. Jumped from car; sprained ankle.
July 5, R. Wilson, car repairer, Sault Ste. Marie. Chopping ice, ax glanced and cut his hand.
August 7, C. McCarty, laborer, Sault Ste. Marie. Carelessness while using ax; slipped and cut his foot.
August 24, H Mattson, trespasser, Kenton. Intoxicated and lying near track. Received wound on head.
August 30, E. J. Williams, brakeman, St. Ignace. Coupling cars; finger crushed.
September 13, J. Baurassa, switchman, Marquette. Coupling cars; finger crushed.
October 9, A. Pallette, brakeman, Marquette. Coupling; left shoulder dislocated.
October 16, W. D. Johnson, section foreman, Marquette. Coupling; thumb crushed.
November 3, F. J. Trevillin, brakeman, Thomaston. Coupling; finger crushed.
November 18, Jas. Drennan, baggageman, St. Ignace. Coupling.
November 29, John McNulty, brakeman, Marquette. Backing train on siding; caboose struck some flat cars and cars mounted caboose platform and caught him, causing fracture of both legs.
December 8, D. Erean, switchman, St. Ignace. Coupling; hand crushed.
December 13, J. Passno, brakeman, Marquette. Fell from moving train.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Collisions					1	
Coupling cars					12	
Falling from trains		1			4	
Getting on and off trains					1	
Miscellaneous		1			5	
Trespassers on trains						2
Trespassers on tracks			4			1
Total		2	4		23	3

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	6
Number of persons injured during the year	26
Number of casualties purely accidental	17
Number resulting from lack of caution, carelessness or misconduct	15
Persons killed or injured while intoxicated	2
Trespassers and tramps killed or injured	7

CLASSIFICATION OF EMPLOYÉS.

KILLED OR INJURED IN MICHIGAN.

	Killed.	Injured.	Total.
Baggagemen		1	1
Brakemen		10	10
Conductors		1	1
Laborers	1	4	5
Yardmen		4	4
Not classified above	1	3	4
Total	2	23	25

STATE OF MICHIGAN, }
COUNTY OF MARQUETTE, } ss.

Wm. F. Fitch, general manager, and A. E. Delf, auditor of the Duluth, South Shore & Atlantic Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

WM. F. FITCH, *General Manager*,
A. E. DELF, *Auditor*.

Subscribed and sworn to before me this 31st day of March, A. D. 1896.

[L. S.]

ALBERT E. MILLER,
Notary Public.

ANNUAL REPORT

OF THE

FLINT & PERE MARQUETTE RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 29, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, W. W. CRAPO, New Bedford, Mass.
Secretary and Treasurer, H. C. POTTER, Jr., Saginaw (E. S.), Mich.
Auditor, C. S. McMILLAN, Saginaw (E. S.), Mich.
General Manager, STANFORD T. CRAPO, Saginaw (E. S.), Mich.
General Superintendent, W. F. POTTER, Saginaw (E. S.), Mich.
Traffic Manager, A. PATRIARCHE, Saginaw (E. S.), Mich.
Chief Engineer, W. B. SEARS, Saginaw (E. S.), Mich.
Superintendent of Telegraph, A. H. FOLLETT, Saginaw, (E. S.), Mich.
Cashier, T. E. BORDEN, Saginaw (E. S.), Mich,
Attorneys, HANCHETT & HANCHETT, Saginaw (E. S.), Mich.

DIRECTORS.

William W. Crapo, New Bedford, Mass.
Loum Snow, New Bedford, Mass.
George Coppell, New York City.
Thos. F. Ryan, New York City.
J. Lewis Stackpole, Boston, Mass.
R. B. Dodson, New York City.
Lewis Pierce, Portland, Maine.
Henry B. Stone, Chicago, Ill.
H. C. Potter, Saginaw (E. S.), Mich.
H. C. Potter, Jr., Saginaw (E. S.), Mich.
W. H. Tousey, Bay City, Mich.
Terms expire third Wednesday in May.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: August 31, 1880.
Number of stockholders at date of last election: 1,556.
Number of stockholders in Michigan at same date: 14.
Amount of full paid stock held in Michigan at same date: $58,200.
Date of annual meeting of stockholders: Third Wednesday in May.
Fiscal year of company ends: December 31.
General offices of the company are located at Saginaw (E. S.), Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$2,124,936 08
Total expenses, including taxes	$1,607,377 06	
Net income		$527,559 02
Interest on funded debt	$583,356 69	
Interest on unfunded debt	26,892 24	
	$610,248 93	
Steamer earnings		114,641 21
Balance applicable to dividends		$31,951 30
Balance for the year		$31,951 30
Balance (profit and loss) last year		121,364 61
Balance forward to next year		$153,315 91

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$10,000,000 00
Par value of shares		$100 00	
Number of shares issued		96,402	
Amount paid in on common		$3,298,200 00	
Amount paid in on preferred		6,342,000 00	
Amount of shares not issued, number	preferred 1,580; common 2,018	359,800 00	
Total amount as per books of the company			10,000,000 00
Per mile of road owned by company, 755.32 miles			13,239 43

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
Holly, Wayne & Monroe	8%	Jan. 1, 1901	New York	$1,000,000 00
F. & P. M. 6's	6%	Oct. 1, 1920	New York	3,999,000 00
F. & P. M. 5's	5%	May 1, 1939	New York	2,100,000 00
P. H. & N. W. Div. 5's	5%	April 1, 1939	New York	3,250,000 00
Equipment 5's	5%	$40,000 annually	Boston	80,000 00
Total funded debt				$10,429,000 00

UNFUNDED DEBT.

For miscellaneous	$1,034,855 24

RECAPITULATION.

Total funded debt	$10,429,000 00
Total unfunded debt	1,034,855 24
Total debt liabilities	$11,463,855 24
Amount of debt liabilities per mile of road, 755.32 miles	15,177 48
Total amount of stock and debt	21,463,855 24
Stock and debt per mile of road, 755.32 miles	28,416 93

GENERAL BALANCE SHEET.—Dr.

Construction account		$21,378,894 97
Equipment account		
Other investments:		
F. & P. M. steamers—5	$453,563 74	
Fort street union depot stock	250,000 00	
Bay City Belt Line R. R. stock and advances	114,671 52	
Bougemere yard	1,819 62	
Elevators	3,822 26	
G. O. building	9,275 87	
		833,153 01
Cash items:		
Cash	$108,320 22	
Due from agents	85,910 44	
		194,230 66
Other assets:		
Materials and supplies	$98,625 51	
Debit balances from companies and individuals	174,525 55	
F. & P. M. preferred stock unsold	158,000 00	
F. & P. M. common stock unsold	201,800 00	
		632,951 06
Total		$23,039,229 70

GENERAL BALANCE SHEET.—Cr.

Capital stock		$10,000,000 00
Funded debt		10,429,000 00
Unfunded debt:		
Interest unpaid, not due	$118,776 64	
Notes payable	553,448 53	
Vouchers and accounts	251,266 28	
Other liabilities:		
State tax on earnings, due July 1, 1896	45,533 99	
Property renewals	65,824 80	
		1,034,855 24
Profit and loss or income accounts		1,575,374 46
Total		$23,039,229 70

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$21,378,894 97
Average cost per mile of road, not including sidings, 755.33 miles	20,336 05
Proportion of cost for Michigan	21,378,894 97

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Extensions and new sidings	$26,465 23
Land	1,500 00
New cars	990 00
Total	$28,955 23
Total charges to property account as above	28,955 23
Net addition to property account	28,955 23

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$593,904 18	
Through fares	56,722 37	
Total passenger fares		$650,626 54
Express and baggage	$47,163 87	
Mails	60,206 23	
Other sources	14,628 33	
Total passenger department earnings		772,624 47
Per train mile	$0 74	
Per mile of road	$1,023 91	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$1,023,050 03	
Through traffic	340,261 58	
Total traffic		$1,363,311 61
Total freight department earnings		$1,363,311 61
Per train mile	$1 24	
Per mile of road	1,803 62	
Total transportation earnings, entire line		$2,134,936 08
Transportation earnings per mile of road	$2,749 79	
Transportation earnings per train mile	1 00	
Total earnings from operation of road		$2,134,936 08
Total earnings per mile of road	$2,749 79	
Total earnings per train mile	1 00	
Proportion of taxable earnings for Michigan	2,134,936 08	
Total taxable earnings per mile of road in Michigan	2,749 79	
Net steamer earnings		114,641 21
Total income from all sources		$2,249,577 29

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway		$179,064 54
Renewals of rails		600 00
Renewals of ties		60,811 50
Repairs and renewals of bridges and culverts		19,313 43
Repairs and renewals of fences, road crossings, signs and cattle guards		27,432 73
Repairs and renewals of buildings and fixtures		31,004 71
Repairs and renewals of docks and wharves		5,486 81
Other expenses:		
Shop tools and machinery	$652 50	
Boarding cars	429 29	
		1,081 79
Total		$324,295 51

MAINTENANCE OF EQUIPMENT.

Repairs and renewals of locomotives		$89,193 50
Repairs and renewals of passenger cars		48,595 93
Repairs and renewals of freight cars		99,819 64
Locomotives and cars to road department ... credit	$6,079 07	
Total		$231,830 00

CONDUCTING TRANSPORTATION.

Fuel for locomotives		$161,324 17
Water supply for locomotives		14,529 34
Oil, tallow and waste for locomotives		10,199 12
Other supplies for locomotives		160,701 60
Train service		184,295 42
Train supplies and expenses		9,002 05
Telegraph expenses		2[illegible],354 16
Station service		219,677 59
Station supplies		13,400 76
Car mileage—balance ... credit	$21,553 34	
Supplies and services to road department ... credit	$9,538 70	
Loss and damage		10,685 66
Injuries to persons		23,158 34
Total		$793,326 77

GENERAL EXPENSES.

Salaries of general officers	$19,800 00
Salaries of clerks and attendants	28,467 29
Insurance	4,899 02
Law expenses	10,811 11
Stationery and printing (general offices)	12,926 67
Outside agencies and advertising	23,804 21
Contingencies	27,147 81
Taxes	49,945 01
Track rental and terminals	63,514 55
Engineering	1,609 11
Total	$253,924 78

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	20.18	$324,295 51
Maintenance of equipment	14.42	231,880 00
Conducting transportation	49.67	798,326 77
General expenses, including taxes	15.73	253,924 78
Total operating expenses and taxes	100	$1,607,377 06
Operating expenses and taxes per mile of road	$2,070 29	
Operating expenses and taxes per train mile run, for trains earning revenue, 2,138,529 miles	75	
Percentage of expenses to earnings	75.24	
Net earnings per mile of road		$679 49
Net earnings per train mile		0 22

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Monroe to Ludington, December 1, 1874.
From Manistee Junction to Manistee, June 2, 1882.
From city of Saginaw to city of Saginaw, belt line, June 16, 1889.
From Port Huron to Sand Beach, September 13, 1880.
From Port Huron to Saginaw, February 22, 1882.
From Port Huron to Almont, October 3, 1882.
From Palms Junction to Port Austin, Dec. 11, 1882.
From Port Austin to Grindstone City, July 31, 1892.

MAIN LINE.

	Miles.
In Michigan	253.5

BRANCHES.	Miles.
Detroit division	8.67
Flint River division	19.51
Bay City division and branches	15.53
Bay City loop line	3.02
Crow Island branch	1.57
St. Clair division	16.30
Saginaw belt	9.84
Zilwaukee branch	6.12
West Shore branch	3.89
Coleman branch	21.86
Mt. Pleasant division	14.78
Hoyt North and South branches	20.55
Harrison division	42.75
Star Lake branch	23.30
Manistee division and branches	29.73
Eastern division	90.30
Sand Beach division, 3 ft. gauge	70.13
Port Austin division, 3 ft. gauge	29.98
Almont division, 3 ft. gauge	23.91
Business producing spurs	26.25
Total length of branches owned by company	498.53
Total length of branches owned by company in Michigan	498.53
Total length of road belonging to this company	752.03
Total length of road belonging to this company in Michigan	752.03
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated	169.46
Aggregate length of tracks in Michigan belonging to this company, computed as single track	921.54
Gauge of track, 4 feet 8½ inches	764.77
Gauge of track, 3 feet	156.77

Proprietary or leased roads operated by this company.

Name, description and length of each:		Total miles.	In Michigan.
Detroit Terminal, Delray to 18th Street		3.34	
Detroit Terminal, Fort Street Depot to 18th Street		1.36	
Detroit, Lansing & Northern, Plymouth to Redford		11.63	
Bay City Belt Line		8.09	
Sidings on same	13.38		
Total			24.33
Total miles operated by the company			776.40

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	10	623½
Iron bridges	25	3,254¾
Combination bridges	9	939
Wooden trestles		14,963
Total	44	19,779¼

Draw bridges in Michigan.

How many on your line? 4

Where located, when built, and length of draw span:	Feet.
One at Saginaw, built in 1893, iron	168
One at Saginaw, built in 1893, iron	142
One at South Saginaw, built in 1889, iron	180
One at Port Huron, built in 1892, iron	170½

Character of structure:
Pratt truss.

Material of which constructed:
Iron and steel.

Height above water, and depth of water under bridge:
12 to 16 feet.

How swung, by engine or hand power?
Hand power.

Approaches straight or curved?
Two straight and two curved.

Do you require all trains to come to full stop before crossing a draw, and how are they signaled?
Yes; until signaled by hand.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Lake Shore & Michigan Southern R. R. at Carlton and Delray.
Wabash R. R. at Romulus and Delray.
Michigan Central R. R. at Saginaw Junction, Vassar, Otter Lake, Saginaw, W. S., Mershon, 3 times at Bay City, and twice at Delray.
Detroit, Lansing & Northern R. R. at Plymouth.
Chicago & Grand Trunk R. R. at Flint and C. & G. T. Junction, Port Huron.
Detroit, Grand Haven & Milwaukee R. R. at Holly.
Cincinnati, Saginaw & Mackinaw R. R. at Saginaw and Mershon.
Ann Arbor R. R. at Clare.
Grand Rapids & Indiana R. R. at Reed City.
Manistee & Luther R. R. at East Lake.
Chicago & West Michigan R. R. at Baldwin.
Manistee & North Eastern R. R. at Manistee.
Pontiac, Oxford & Northern R. R. at Clifford.
Midland & Northern R. R. at Midland.
Grand Trunk R. R. at Wixom and Grand Trunk Junction, Port Huron, twice.

What railroads cross your road either over or under your grade in this State, and where?
Over:
Manistee & Grand Rapids R. R. at Stronach.

Under:
Michigan Central R. R. at Springwells and Detroit.

At what crossings are interlocking and derailing switches in operation?
Michigan Central—Mershon, Wayne Delray, Saginaw 3 places, Bay City 3 places.
Cincinnati, Saginaw & Mackinaw—Saginaw 3 places, Mershon.
Ann Arbor—Clare.
Chicago & West Michigan—Baldwin.
Chicago & Grand Trunk and Grand Trunk—Grand Trunk Junction, Port Huron.
Wabash and Lake Shore & Michigan Southern—Delray.
Wabash—Romulus.
Midland & Northern—Midland.
Manistee & Luther—East Lake.
Manistee & North Eastern—Manistee.

What pattern or patterns have you adopted?
Union Switch and Signal Company, Allentown, Gavitt and Johnson Railway Signal Co.

Number of crossings of highways at grade in this State	298
Number of crossings of highways at grade in this State at which there are gates or flagmen	35
Number of crossings at which there are electric or automatic signals	2
What pattern or patterns in use? O'Neil Electric.	
Numbers of crossings of highways over or under railroad: over, 3; under, 9	12
Number of highway bridges 18 feet above track	8

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Block and Harts ft. guards.

Stations.

Number of stations on whole lines, (all in Michigan)	134

Employés.

Number of persons regularly employed on all roads operated by company, including officials, (all in Michigan)	2,045

Classify your employés as per following list:	Number.
Baggagemen	22
Brakemen	117
Conductors	65
Engineers	93
Firemen	91
Laborers	782
Shopmen	240
Yardmen	75
Others	560

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	701½

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:

Midland	3½	
Isabella	1	
Clare	15	
Gladwin	5¾	
Lake	11	
Mason	12	
Manistee	5	
Huron	5¼	
Sanilac	2½	
Total miles required		61

Road bed and track.

Number of track sections in Michigan	117
Average length of sections, miles	7.87
Average number of men in each section gang	4
Number of new ties put in whole line during the year	360,079
Number of new ties put in track in Michigan	360,079
Average number of new ties per mile of road	3,907

Bridges and culverts.

Timber culverts replaced during the year:

With iron pipe—number	1
With sewer pipe—number	7

ROLLING STOCK.

		Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender		91	$574,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender		10	45,000 00
Number of locomotives of 10 to 20 tons weight, exclusive of tender		2	5,000 00
Total		103	$624,000 00
Number of passenger cars—12 wheel, including official cars		3	$32,050 00
Number of passenger cars—8-wheel, including official cars		90	160,250 00
Number of express and baggage cars		24	18,950 00
Number of box freight cars		1,775	355,000 00
Number of stock cars		44	7,920 00
Number of platform cars		1,159	173,850 00
Number of conductors' way cars		47	9,400 00
Other cars as follows:			
Charcoal	53		
Coal	208		
Furniture	71		
Refrigerator	13		
Boarding	6		
Log	81		
Snow plows	6		
Tool cars	7		
Painters	2		
Excavators	2		
Pile drivers	1		
Cellar	2		
Derrick	1		
Scale testing	1		
Bridge material	3		
Telegraph car	1		
Water supply	1		
		459	112,914 00
Total		3,601	$860,334 00

Number of locomotives equipped with power brakes	59
Number of passenger train cars equipped with power brakes	117
Number of freight cars equipped with power brakes	1
What patterns of power brakes have you in use, and number of locomotives and cars with each	173

Westinghouse air brake.
44 engines equipped with steam driver and tender brakes.
59 engines equipped with Westinghouse air brakes.

Are your freight cars being equipped with automatic couplers as required by act No. 147, sessions laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
"Gould."

How are your passenger cars heated?
Baker & Smith hot water.

MILEAGE TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	996,272
Miles run by freight trains during the year	1,062,471
Miles run by mixed trains	79,786
Total mileage of trains earning revenue	2,138,539

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	31,470		
Number of local passengers carried, earning revenue	1,038,727		
Total number of passengers carried, earning revenue	1,070,197		
Number of passengers carried one mile	30,009,707		
Average distance carried		28	
Average amount received from each passenger			$0 60
Average receipts per mile for through passengers			01.776
Average receipts per mile for local passengers			02.214
Average receipts per passenger per mile for all passengers			02.165

Freight traffic.—Road all in the State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried earning revenue	433,868		
Number of tons of local freight carried earning revenue	1,094,826		
Total tons of freight carried earning revenue	1,528,694		
Total mileage of through freight		81,343 222	
Total mileage of local freight		81,499,953	
Total freight mileage or tons carried one mile		162,843,175	
Average ton haul for through freight		1,874,888	
Average ton haul for local freight		744,410	
Average ton haul for all freight		1,065,344	
Average amount received for each ton haul			$0 89.1160
Average receipts ton per mile for through freight			00.418
Average receipts ton per mile for local freight			01.254
Average receipts ton per mile for all freight			00.836

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	45,149	110,191	155,340	10.16
Flour	10,772	79,961	90,733	5.94
Other mill products	6,093	21,042	27,135	1.78
Hay	50,641	3,726	54,367	3.56
Fruit and vegetables	5,974	3,674	9,648	.63
Potatoes	21,796	2,169	23,965	1.57
Products of animals:				
Live stock	22,556	1,057	23,613	1.55
Dressed meats	1,362	1,706	2,968	.20
Poultry, game and fish	2,376	412	2,788	.18
Wool	589	310	899	.06
Hides and leather	1,063	2,736	3,799	.25
Products of mines:				
Anthracite coal / Bituminous coal	4,408	56,571	60,979	3.99
Stone, sand, and other like articles	14,351	4,633	18,985	1.24
Salt	56,807	271	57,078	3.73
Products of forest:				
Lumber	391,814	34,850	426,664	27.91
Logs	213,050	.....	213,050	13.94
Shingles	19,049	5,660	24,709	1.61
Manufactures:				
Petroleum and other oils	4,291	14,322	18,613	1.22
Other castings and machinery	5,323	3,087	8,410	.55
Cement, brick and lime	12,776	8,783	21,559	1.41
Agricultural implements	789	1,673	2,463	.16
Wagons, carriages, tools, etc.	3,083	1,573	4,656	.30
Wines, liquors and beers	1,797	2,881	4,678	.30
Household goods and furniture	5,697	3,482	9,179	.60
Merchandise	83,441	83,868	167,309	10.94
Miscellaneous:				
Other commodities not mentioned above	69,664	25,444	95,108	6.22
Total tonnage	1,054,613	474,081	1,528,694	100

ADDITIONAL QUESTIONS.

Fast freight lines.

To what fast freight lines, or other transportation companies, running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid.

Name of company.	General office.	Amount paid.
Armour Car Lines	Chicago, Ill.	$153 21
Arms Palace Horse Car Co.	Chicago, Ill.	4 30
American Refrigerator Line	St. Louis, Mo.	82 89
Anglo-American Provision Co.	Chicago, Ill.	17 13
American Tank Line	Cleveland, Ohio	2 04
American Distrib. Co.	Terre Haute, Ind.	1 00
American Live Stock Trans. Co.	Chicago, Ill.	2 78
Burton Stock Car Co.	Boston, Mass.	31 26
Boyd, Lunham & Co.	Chicago, Ill.	4 12
Barrett, T. E.	Chicago, Ill.	7 66
Chicago Car and Coal Co.	Chicago, Ill.	10 99
Chicago Refrigerator Car Line	Chicago, Ill.	406 56
Canada Cattle Car Co.	Chicago, Ill.	10 07
Commerce Desp. Line	Indianapolis, Ind.	122 01
Chicago, Bost. and Liv. Ref. Line	St. Albans, Vt.	17 25
California Fruit Trans.	Chicago, Ill.	3 46
Craig Oil Co.	Toledo, Ohio.	1 74
Cud. Mil. Line	Milwaukee, Wis.	4 38
Cons'l Cambridge Coal Co.	Baltimore, Md.	1 44
Cleve. Prov. Co.	Cleveland, Ohio	4 57
Cont. Fruit Exp.	Chicago, Ill.	12 96
Cal. Fruit Exp.	Chicago, Ill.	3 02
Cold Blast Trans. Co.	Kansas City, Mo.	1 44
Dold, Jacob Pack Co.	Kansas City, Mo.	1 57
Foggan, R.	Cleveland, Ohio	4 35
Freeman Bros.	Pontiac, Mich.	1 11
Frazer Lub. Co.	Chicago, Ill.	65
Green Line Tank	Oil City, Pa.	14 55
Heinz, H. J.	Pittsburg, Pa.	9 28
Hammond Ref. Line	Hammond, Ind.	126 68
Havens, C. B. & Co.	Omaha, Neb.	40
Hicks' Stock Car Co.	Chicago, Ill.	5 45
"Inter." Fruit Deal. Desp.	Chicago, Ill.	1 23
"J. E. B." Furniture Line	Atlanta, Ga.	19 08
Kansas City Dres. Beef Line	Kansas City, Mo.	5 16
Live Poultry Trans. Co.	Chicago, Ill.	1 33
Merch. Despatch	New York, N. Y.	2,723 48
Mather Stock Car Co.	Chicago, Ill.	78 64
Morris Coal & Trans. Co.	Cleveland, Ohio	10 36
Morrell Refrig. Line	Ottumwa, Iowa	13 11
National Car Co., "N. D. L."	St. Albans, Vt.	537 67
New York Despatch	Boston, Mass.	11 41
Nelson Morris & Co.	Chicago, Ill.	7 18
North Western Iron Co.	Chicago, Ill.	1 40
New England Car Co.	Boston, Mass.	33 30
Paragon Ref. Co.	Toledo, Ohio	79 35
Prov. Deal. Desp.	Chicago, Ill.	9 69
Peerless Tank Line	Cleveland, Ohio	29 24
Rend, W. P.	Chicago, Ill.	15 55
Ramage, S. Y.	Reno, Pa.	10 74
Somers Coal Co.	Columbus, Ohio	11 95
South Desp. Line	Louisville, Ky.	4 34
St. Charles Car Co.	St. Louis, Mo.	11 80
Swift Ref. Line	Chicago, Ill.	225 74
Sun Oil Line	Toledo, Ohio	60 52
St. Louis Ref. Car Co.	St. Louis, Mo.	16 66
So. Western Ref. Desp.	Kansas City, Mo.	1 55
Streets' W. Stable Car Line	Chicago, Ill.	33 34
So. Iron Car Line	Atlanta, Ga.	28 56
Silas Kilborne & Co.	Grand Rapids, Mich.	7 11
Swift Live Stock Exp.	Chicago, Ill.	1 39
T. Latcher, A. T.	Chicago, Ill.	1 40
Titusville Oil Works	Cleveland, Ohio	1 74
Trop. Trans. Co.	Boston, Mass.	79
Union Tank Line	New York, N. Y.	1,167 58
Union Ref. Line	St. Louis, Mo.	73 88
West Rol. Stock & E. Co.	Chicago, Ill.	5 68
Wells & Clear	Lansing, Mich.	3 48
W. R. Co.		5 22

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?
American Express Company; pay $42,000.00 per annum.
General express business; handles its own freight.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?
Western Union Telegraph Co.; 587.86 miles.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

Jan'y 15, Jacob Ferris (don't know occupation), old man, Clio. Crossing track in front of train; own fault.
March 14, A. Huff, warehouseman, Vassar. Transferring barrel of sugar; fell on head.
March 16, Mary Collins, child, Saginaw. Struck by train; playing on track.
April 13, F. L. Graham, fireman, Freesoil. Train jumped track.
May 1, P. Patterson, Flint. Boarding train.
June 28, J. M. Ingrakary, deaf and dumb. Freeland. Walking on track.
July 12, Jno. Rienke, Sanford. Walking on track.
October 15, Mary Bailey, Milford. Crossing track; struck by train.
November 8, F. Ruthenbeck, switchman, Bay City. Caught between lumber pile and car.
November 11, Mrs. W. Manchester, Plymouth. Walking on track.
November 20, J. Slagel, sectionman, Branch. Running railroad velocipede, at night.
December 6, Ed. Mears, pumper, Coleman. Handling baggage; trunk fell and struck head.

INJURED.

January 19, Frank Pallum, boy, Bay City. Crossing track; own fault.
February 15, J. A. Mitchell, brakeman, Clare. Coupling cars.
February 15, E. W. Secord, carpenter, Saginaw. Car door falling on feet.
March 4, L. A. White, brakeman, Scottville. Walking from end of car while train backing in siding.
March 15, L. A. Turner, farmer, Port Huron. Driving across track; thrown from wagon.
March 13, F. Wilcox, farmer, Memphis. Standing at water tank in coach; train started; thrown against seat.
April 13, S. D. Plues, engineer, Freesoil. Train jumped track.
June 23, A. J. Lund, sectionman, Clyde. On hand car; struck by train.
July 12, F. Syfred, brakeman, Ludington. Log rolled from car, breaking leg.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars					1	
Derailments		1			1	
Getting on and off trains			1			
Highway crossings						2
Miscellaneous		4		1	4	
Trespassers on tracks			6			
Total		5	7	1	6	2

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	12
Number of persons injured during the year	9
Number of casualties purely accidental	10
Number resulting from lack of caution, carelessness or misconduct	5
Trespassers and tramps killed or injured	6

CLASSIFICATION OF EMPLOYÉS.

KILLED OR INJURED IN MICHIGAN.

Employés.	Killed.	Injured.	Total.
Brakemen		3	
Engineers		1	
Firemen	1		
Laborers	1	1	
Shopmen		1	
Yardmen	1		
Not classified above	2		
Total	5	6	

STATE OF MICHIGAN, }
COUNTY OF SAGINAW, } ss.

S. T. Crapo, general manager, and C. S. McMillan, auditor, of the Flint & Pere Marquette Railroad Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

S. T. CRAPO, *General Manager*,
C. S. McMILLAN. *Auditor*.

Subscribed and sworn to before me this 23d day of April, A. D. 1896.

H. F. MOELLER,
Notary Public in and for Wayne County.

ANNUAL REPORT

OF THE

GOGEBIC & MONTREAL RIVER RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed March 31, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, EDWIN H. ABBOTT, Boston, Mass.
Vice President, FREDERICK ABBOTT, Milwaukee, Wis.
Secretary, HOWARD MORRIS, Milwaukee, Wis.
Auditor, ROBERT TOOMBS, Milwaukee, Wis.
Treasurer, EDWIN H. ABBOTT, Boston, Mass.
General Manager, H. F. WHITCOMB, Milwaukee, Wis.
General Superintendent, S. J. COLLINS, Milwaukee, Wis.
Division Superintendent, A. R. HORN, Stevens Point, Wis.
Chief Engineer, R. B. TWEEDY, Milwaukee, Wis.
Superintendent of Telegraph, P. W. DREW, Milwaukee, Wis.
Cashier, W. R. HANCOCK, Milwaukee, Wis.
General Passenger Agent, J. C. POND, Milwaukee, Wis.
General Freight Agent, J. C. MACKINNON, Milwaukee, Wis.
Attorney, T. H. GILL, Milwaukee, Wis.
Receivers, { H. F. WHITCOMB, Milwaukee, Wis.
HOWARD MORRIS, Milwaukee, Wis. }

DIRECTORS.

EDWIN H. ABBOTT, Cambridge, Mass.
FREDERICK ABBOTT, Milwaukee, Wis.
THOMAS H. GILL, Milwaukee, Wis.
JOHN MARTIN, Milwaukee, Wis.
HOWARD MORRIS, Milwaukee, Wis.
Terms expire January 22, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: December 27, 1883.
Number of stockholders at date of last election: 6.
Number of stockholders in Michigan at same date: none.
Date of annual meeting of stockholders: First Wednesday after the third Tuesday in January.
Fiscal year of company ends June 30.
General offices of the company are located at Milwaukee, Wis.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$52,809 91
Total expenses, including taxes	$53,074 99	
Net deficit	$265 08	
Balance for the year	$265 08	
Balance (profit and loss) last year	262 30	
Balance forwarded to next year	$527 38	

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

Branches:		
Extensions and new sidings:		
Colby mine	$4,188 82	
Bessemer ore yard	9 15	
Montreal mine	190 85	
		$4,388 82
New fences		183 85
Total charges		$4,572 67
Total charges to property account as above		$4,572 67
Net addition to property account		4,572 67

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$3,026 64	
Through fares	1,172 51	
Total passenger fares	$4,199 15	
Express and baggage	658 05	
Mails	304 95	
Total passenger department earnings		$5,162 15
Per train mile	$0 23	
Per mile of road	318 84	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$557 85	
Through traffic	46,261 94	
Total traffic	$46,819 79	
Total freight department earnings		46,819 79
Per train mile	$2 71	
Per mile of road	2,986 87	
Total transportation earnings, entire line		51,981 94
Transportation earnings per mile of road	$3,210 74	
Transportation earnings per train mile	1 56	
Miscellaneous receipts from operating account, other than for transportation:		
From switching charges balance	718 96	
From rents not otherwise provided for	109 01	
Total earnings from operation of road		$52,809 91
Total earnings per mile of road	$3,261 88	
Total earnings per train mile	1 59	
Proportion of taxable earnings for Michigan	52,809 91	
Total taxable earnings per mile of road in Michigan	3,261 88	
Proportion of income for Michigan		$52,809 91

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$5,590 11
Renewals of rails	47 88
Renewals of ties	1,583 92
Repairs and renewals of bridges and culverts	1,768 55
Repairs and renewals of fences, road crossings, signs and cattle guards	4,166 14
Repairs and renewals of buildings and fixtures	824 43
Repairs and renewals of telegraph	25 95
Other expenses	138 79
Total	$14,145 77

MAINTENANCE OF EQUIPMENT.

Superintendence	$188 23
Repairs and renewals of locomotives	2,610 02
Repairs and renewals of passenger cars	668 09
Repairs and renewals of freight cars	2,585 63
Repairs and renewals of work cars	163 88
Repairs and renewals of shop machinery and tools	174 88
Total	$6,343 73

CONDUCTING TRANSPORTATION.

Superintendence	$488 02
Engine and roundhouse men	6,840 37
Fuel for locomotives	6,166 64
Water supply for locomotives	249 05
Oil, tallow and waste for locomotives	83 62
Other supplies for locomotives	30 76
Train service	3,038 32
Train supplies and expenses	595 30
Switchmen, flagmen and watchmen	3,393 74
Telegraph expenses	1,464 36
Station service	4,017 86
Station supplies	270 76
Car mileage—balance	153 92
Loss and damage	376 42
Injuries to persons	112 42
Clearing wrecks	21 28
Total	$26,803 84

GENERAL EXPENSES.

Salaries of general officers	$1,018 12
Salaries of clerks and attendants	916 08
General office expenses and supplies	158 36
Insurance	424 86
Law expenses	238 50
Stationery and printing (general offices)	341 77
Other expenses	1,851 12
Taxes	833 84
Total	$5,782 65

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	26.65	$14,145 77
Maintenance of equipment	11.95	6,343 73
Conducting transportation	50.50	26,802 84
General expenses, including taxes	10.90	5,782 65
Total operating expenses and taxes	100.	$53,074 99

Operating expenses and taxes per mile of road	$3,278 26
Operating expenses and taxes per train mile run, for trains earning revenue 33,209 miles	159 82
Total proportion of expenses and taxes for Michigan	53,074 99
Percentage of expenses to earnings 100.50	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Ironwood to Bessemer, June 6, 1887.

MAIN LINE.

	Miles.
In Michigan, from Ironwood to Bessemer	6.86

BRANCHES.

Names of spurs.	Dec. 31, 1894. Miles.	Dec. 31, 1895. Miles.
Ashland Mine Spur	1.03	1.03
Colby Mine Spur to South 15	1.92	2.01
Colby Mine Spur to Shaft No. 9	Not built.	1.45
Colby Mine Switch Back	1.38	1.38
Palms Mine Spur to Shaft No. 5	Not built.	.81
Palms Mine Spur	2.65	2.65
Totals	6.96	9.33
Increase		2.35

Total length of branches owned by company		9.33
Total length of branches owned by company in Michigan	9.33	
Total length of road belonging to this company in Michigan	16.19	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	12.46	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		28.65

Gauge of track, 4 feet 8½ inches.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	3	976
Combination	4	915
Total	7	1,889

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
C. & N. W. R. R. at Bessemer.
C. & N. W. R. R. at Palms Mine.
Twin City Street R. R. at Ironwood.

What railroads cross your road either over or under your grade in this State, and where?
Under:
C. & N. W. R. R. at Ironwood.
C. & N. W. R. R. at Siemens.
C. & N W. R. R. at Bessemer.
D. S. S. & A. R. R. west of Bessemer.

Number of crossings of highways at grade in this State	5
Number of crossings of highways at grade in this State at which there are gates or flagmen	1
Number of crossings of highways over or under railroad (under 1)	1

Have safety guards been erected at overhead obstructions?
Yes.

Stations.

Number of stations (all in Michigan.)	2

Employés.

Classify your employés as per following list:	Number.
Engineers	1
Firemen	1
Laborers	8
Shopmen	2
Yardmen	4
Others	4
	20

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	537

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
None.

Road bed and track.

Number of track sections in Michigan	3
Average length of sections, miles	9.55
Number of new ties put in track in Michigan	5,645
Average number of new ties per mile of road	349
New rails put in track	17
Steel, tons, 4 1258-2240; miles	.10
Total miles of track laid with new rails	.20

Bridges and culverts.

Amount of trestle work replaced with earth during the year (linear feet)	1,312

MILEAGE TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	15,780
Miles run by freight trains during the year	17,529
Total mileage of trains earning revenue	33,209

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried earning revenue	13,201		
Number of local passengers carried, earning revenue	16,839		
Total number of passengers carried, earning revenue	30,040		
Number of passengers carried one mile	148,471		
Average distance carried		4.94	
Average amount received from each passenger			$0 13.979
Average receipts per mile for through passengers			02.727
Average receipts per mile for local passengers			02.870
Average receipts per passenger per mile for all passengers			02.828

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	918,938		
Number of tons of local freight carried, earning revenue	617		
Total tons of freight carried, earning revenue	919 555		
Total mileage of through freight		4,772,197	
Total mileage of local freight		4,319	
Total freight mileage or tons carried one mile		4,776,516	
Average ton haul for through freight		5.19	
Average ton haul for local freight		7.00	
Average ton haul for all freight		5.19	
Average amount received for each ton haul			$0 05.09
Average receipts ton per mile, for through freight			00.969
Average receipts ton per mile, for local freight			13.902
Average receipts ton per mile, for all freight			00.980

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	142	119	261	.03
Flour		299	299	.03
Other mill products		553	553	.06
Hay	18	331	349	.04
Tobacco		4	4	
Fruit and vegetables	11	319	330	.04
Products of animals:				
Live stock	17	84	101	.01
Dressed meats	24	33	57	.01
Other packing house products		99	99	.01
Poultry, game and fish	1	2	3	
Hides and leather	1		1	
Products of mines:				
Anthracite coal		1,675	1,675	.18
Bituminous coal		9,321	9,321	1.01
Ores	893,479		893,479	97.17
Stone, sand and other like articles		220	220	.02
Salt		51	51	.01
Products of forest:				
Lumber, lath and shingles	457	149	606	.07
Logs and other forest products	1,103	7,308	8,411	.91
Manufactures:				
Petroleum and other oils		688	688	.07
Sugar		6	6	
Iron, pig and bloom		184	184	.02
Iron and steel rails		73	73	.01
Other castings and machinery	126	84	210	.02
Bar and sheet metal	4	18	22	
Cement, brick and lime	4	108	112	.01
Wagons, carriages, tools, etc.		2	2	
Wines, liquors and beers		500	500	.05
Household goods and furniture	97	38	135	.02
Merchandise	403	906	1,309	.14
Ice		72	72	.01
Miscellaneous:				
Other commodities not mentioned above	166	256	422	.05
Total tonnage	896,053	23,502	919,555	100

ADDITIONAL QUESTIONS.

Express Companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

1. The National Express Company, who pay a fixed amount per annum in monthly installments.
2. A general express business.
3. At the depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

13.72 miles.

Owned jointly by Western Union Telegraph Company and this company.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

October 24, 1895, Lloyd Mead, boy trespasser, Ironwood. Run over by work train engine while playing on track.

INJURED.

January 28, T. J. Formey, conductor, Bessemer. Struck by overhead obstruction on mine track.
March 22, S. M. Craft, bridgeman, Bessemer. Fell off hand car account of same jumping track.
March 22, Ole Johnson, bridgeman, Bessemer. Fell off hand car account of same jumping track.
May 4, N. Brakavage, section laborer, Bessemer. Caught under bottom of steam shovel dipper.
May 27, Rich. Lewis, brakeman, Bessemer. Fell over pile of dirt while walking on flat car.
May 25, M. S. Percival, switchman, Ironwood. Fell while getting down off car.
July 27, Mike O'Boyle, switchman, Ironwood. Fell off engine.
November 20, Frank Wesocki, section laborer, Ironwood. Eye injured by head of spike coming off while pulling same.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Getting on and off trains					2	
Miscellaneous					5	
Overhead obstructions					1	
Trespassers on tracks			1			
Total			1		8	

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	1
Number of persons injured during the year	8
Number of casualties purely accidental	9
Trespassers and tramps killed or injured	1

CLASSIFICATION OF EMPLOYÉS KILLED OR INJURED IN MICHIGAN.

	Killed.	Injured.	Total.
Brakemen		1	
Conductors		1	
Laborers		2	
Yardmen		2	
Not classified above		2	
Total		8	

STATE OF WISCONSIN, }
COUNTY OF MILWAUKEE, } ss.

Rob't Toombs, auditor, of the Gogebic & Montreal River Railroad Company, being duly sworn deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true full and correct statement of the condition and affairs of said company on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. OF R. R.] Signed ROB'T TOOMBS.

Subscribed and sworn to before me this 27th day of March, A. D. 1896.

[L. S.] EDGAR C. HOE,
Notary Public, Milwaukee Co., Wis.

ANNUAL REPORT

OF THE

GOGEBIC & MONTREAL RIVER RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 31, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, EDWIN H. ABBOT, Boston, Mass.
Secretary and General Solicitor, HOWARD MORRIS, Milwaukee, Wis.
Treasurer, EDWIN H. ABBOT, Boston, Mass.
Vice President, FREDERICK ABBOT, Milwaukee, Wis.

DIRECTORS.

EDWIN H. ABBOT, Cambridge, Mass.
FREDERICK ABBOT, Milwaukee, Wis.
THOMAS N. GILL, Milwaukee, Wis.
JOHN MARTIN, Milwaukee, Wis.
HOWARD MORRIS, Milwaukee, Wis.
Terms expire January 22, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: December 27, 1883.
Number of stockholders at date of last election: 6.
Number of stockholders in Michigan at same date: None.
Amount of full paid stock held in Michigan at same date: None.
Date of annual meeting of stockholders: First Wednesday after third Tuesday, January, each year.
Fiscal year of company ends June 30.
General offices of the company are located at Milwaukee, Wis.

REMARKS.

Road leased for 999 years to the Penokee Railroad Company September 1, 1886. All rights and interest under said lease assigned by Penokee Railroad Company to Wisconsin Central Company, May 31, 1888.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association		$600,000 00
Par value of shares	$100 00	
Number of shares issued	6,000	
Amount paid in on common, by delivery to company of its completed road	$600,000 00	
Total amount paid in, as per books of the company		600,000 00
Paid in per mile or road owned by company		37,059 91

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage bonds, Sept. 1, 1886	5%	March 1, 1937	New York City	$390,000 00
Income bonds, Sept. 1, 1886	5%	March 1, 1937	New York City	130,000 00
Total funded debt				$520,000 00

RECAPITULATION.

Total debt liabilities	$520,000 00
Amount of debt liabilities per mile of road, 16.19 miles	32,118 59
Total amount of stock and debt	$1,120,000 00
Stock and debt per mile of road	69,178 50

COST OF ROAD AND EQUIPMENT.

Total cost for construction and equipment of road and branches built by company.

The Gogebic & Montreal River Railroad was furnished completed to the company by independent contractors in exchange for all the bonds and stock of the corporation. The company has no data of cost to the contractors.

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini: June 6, 1887.

MAIN LINE.

	Miles.
Length completed in Michigan	6.86

BRANCHES.

Michigan, from Spurs to Mines	9.33	
Total length of branches owned by company in Michigan		9.33
Total length of road belonging to this company in Michigan		16.19
Aggregate length of sidings, spurs and other tracks not above enumerated in Michigan		12.46
Aggregate length of tracks belonging to this company computed as single track in Michigan		28.65

Gauge of track, 4 feet 8½ inches.

STATE OF WISCONSIN, }
COUNTY OF MILWAUKEE, } ss.

Frederick Abbot, vice president, Robt. Toombs, auditor, of the Gogebic & Montreal River Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

FRED'K ABBOT, *Vice President.*
ROB'T TOOMBS, *Auditor.*

Subscribed and sworn to before me this 27th day of March, A. D. 1896.

[L. S.] [Signed] EDGAR C. HOE,
Notary Public, Milwaukee County, Wisconsin.

ANNUAL REPORT

OF THE

GRAND RAPIDS & INDIANA RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 22, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

1st Vice President and Treasurer, W. R. SHELBY, Grand Rapids, Mich.
2d Vice President and General Manager, J. H. P. HUGHART, Grand Rapids, Mich.
Secretary and Auditor, R. R. METHEANY, Grand Rapids, Mich.
Division Superintendents,
W. B. STIMSON, Northern Division, Grand Rapids, Mich.
P. S. O'ROURKE, Southern Division, Fort Wayne, Ind.
General Passenger and Ticket Agent, C. L. LOCKWOOD, Grand Rapids, Mich.
General Freight Agent, E. C. LEAVENWORTH, Grand Rapids, Mich.
General Counsel, T. J. O'BRIEN, Grand Rapids, Mich.

DIRECTORS.

W. R. SHELBY, Grand Rapids, Mich.
J. H. P. HUGHART, Grand Rapids, Mich.
W. O. HUGHART, Grand Rapids, Mich.
T. J. O'BRIEN, Grand Rapids, Mich.
H. J. HOLLISTER, Grand Rapids, Mich.
J. M. BARNETT, Grand Rapids, Mich.
JAMES MCCREA, Pittsburg, Pa.
J. T. BROOKS, Pittsburg, Pa.
JOHN E. DAVIDSON, Pittsburg, Pa.
JOSEPH WOOD, Pittsburg, Pa.
CHAS. E. SPEER, Pittsburg, Pa.
BENJAMIN SHAW, Pittsburg, Pa.
J. N. HUTCHINSON, Philadelphia, Pa.
Terms expire March 2, 1897.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: April 1, 1855.
Number of stockholders at date of last election: 694.
Number of stockholders in Michigan at same date: 275.
Amount of full paid stock held in Michigan at same date: Cannot answer.
Date of annual meeting of stockholders: First Wednesday in March.
Fiscal year of company ends December 31.
General offices of the company are located at Grand Rapids, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$2,235,226 66
Total expenses, including taxes	$1,802,607 39	
Net income or deficit		$432,619 27

Interest on funded debt	$533,818 55	
Interest on unfunded debt	67,287 41	
Balance for the year	169,036 69	
Balance (profit and loss) last year	2,073,657 06	
Items not included in above, as follows:		
Construction and equipment charged to income	58,020 48	
Cost of extending bonds	1,741 19	
Old accounts paid	1,450 63	
Discount on 5 per cent bond sale	495,100 00	
Old accounts collected		$1,831 04
Balance forwarded to next year		3,797,175 01
	$3,799,006 05	$3,799,006 05

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$5,000,000 00
Par value of shares		$100 00	
Number of shares issued	49,860		
Amount paid in on common		$4,986,081 22	
Total amount paid in, as per books of the company			4,986,081 22
Paid in per mile of road owned by company, 439.42 miles			11,346 96

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage, Oct. 1, 1869	7%	Oct. 1, 1899	New York	$30,000 00
First mortgage land grant, Oct. 1, 1869	7%	Oct. 1, 1899	New York	42,000 00
F. M. land grant guaranteed, Oct. 1, 1869	7%	Oct. 1, 1899	New York	1,417,000 00
F. M. guaranteed extended, July 1, 1891	4½%	July 1, 1941	New York	3,886,000 00
Six per cents, Aug. 1, 1884	6%	Nov. 1, 1899	New York	3,000,000 00
Five per cents, Sept. 1, 1884	5%	Sept. 1, 1924	New York	4,625,000 00
Four per cent bond scrip, March 4, 1893	4%	Sept. 1, 1924	Philadelphia	1,293,200 00
Five per cent coupons, funded under agreement, March 4, 1893, not yet exchanged for bond scrip	4%	Sept. 1, 1924	Philadelphia	205,200 00
Total funded debt				$14,498,400 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For equipment		$337,467 49
For real estate		197,650 00
For miscellaneous		198,955 55
For current balances	Pay rolls, vouchers and interest on debt	1,944,001 85
Total unfunded debt		$2,678,074 89

RECAPITULATION.

Total funded debt	$14,498,400 00
Total unfunded debt	2,678,074 89
Total debt liabilities	$17,176,474 89
Amount of debt liabilities per mile of road, 439.42 miles	39,088 97
Total amount of stock and debt	22,162,556 11
Stock and debt per mile of road, 439.42 miles	50,435 93

GENERAL BALANCE SHEET.—Dr.

Construction account		$17,376,661 02
Other investments:		
Capital stock, Muskegon, Grand Rapids & Indiana R. R.	$990 00	
Capital stock, Grand Rapids, Indiana & Manistee R. R.	1,350 00	
Stock and investment, Mackinac Island Hotel Co	42,500 00	
Stock and investment, Mackinac Transportation Co	126,008 25	
		170,788 25
Cash items:		
Cash	$249,806 77	
Bills receivable	598 92	
Due from agents	79,513 87	
		329,918 56
Other assets:		
Materials and supplies	$136,084 94	
Debit balances from companies and individuals	155,965 91	
Six per cent bonds	25,000 00	
Five per cent bonds	129,000 00	
Equipment trusts	115,177 00	
		561,177 85
Balance		3,724,010 43
Total		$22,162,556 11

GENERAL BALANCE SHEET.—Cr.

Capital stock		$4,986,081 22
Funded debt		14,498,400 00
Unfunded debt:		
Interest unpaid	$1,625,525 32	
Notes payable	198,955 55	
Vouchers and accounts	207,285 01	
Other liabilities:		
Mortgages on real estate	197,650 00	
Due other companies	111,191 52	
Indebtedness under equipment trusts	337,467 49	
		2,678,074 89
Total		$22,162,556 11

COST OF ROAD AND EQUIPMENT.

Purchased by present company.

When received from Construction Co.: December 1, 1873.	
Original cost to present company, of road and equipment	$10,349,250 00
Amount expended since purchase, account of construction	5,910,704 53
Amount expended since purchase, account of equipment	616,706 49
Total cost to date of report	17,376,661 02
Average cost per mile of road (not including sidings), 439.42 miles	39,544 54
Proportion of cost for Michigan	15,276,450 57

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

All betterments for year 1895 charged to income.

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

	Local fares.	Through fares.	Total passenger fares.	Express and baggage.	Mails.	Other sources.	Total.	Per train mile.	Per mile of road.
Main line and branches	$496,703 23	$5,384 45	$502,087 68	$41,263 57	$41,964 64	$12,462 92	$598,778 81	$0 85	$1,550 00
Leased or proprietary roads:									
Muskegon, Grand Rapids & Ind. R. R.	15,278 68	29,290 64	44,569 32	4,081 01	3,173 64	1,613 34	53,487 31	1 06	1,451 49
Traverse City R. R.	6,083 68	8,174 75	14,258 43	2,714 55	1,727 64	.....	18,700 62	58	719 25
Total passenger department earnings	$518,165 59	$42,849 84	$561,015 43	$48,009 13	$46,865 92	$15,076 26	$670,966 74	$0 85	$1,493 82

FREIGHT EARNINGS.

	Local traffic.	Through traffic.	Total traffic.	Other sources, freight department.	Total.	Per train mile.	Per mile of road.
Main line and branches	$1,020,343 99	$108,282 20	$1,128,626 19	$7,812 10	$1,136,438 29	$1 58	$2,941 78
Leased or proprietary roads:							
Muskegon, Grand Rapids & Indiana R. R.	12,974 83	49,341 89	62,316 72	327 73	63,644 45	1 53	1,699 98
Traverse City R. R.	15,965 41	8,927 69	24,893 10	105 50	24,998 60	1 06	961 48
Total freight department earnings	$1,049,284 23	$166,551 78	$1,215,836 01	$8,245 33	$1,224,081 34	$1 56	$2,725 27

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

	Local fares.	Through fares.	Total passenger fares.	Express and baggage.	Mails.	Other sources.	Total.	Per train Mile.	Per mile of road.
Main line and branches	$588,942 38	$5,735 27	$594,677 65	$46,936 50	$47,733 95	$14,765 50	$704,113 60	$0 86	$1,602 37
Leased or proprietary roads:									
Muskegon, Grand Rapids & Ind. R. R.	15,378 68	29,290 64	44,669 32	4,031 01	3,173 64	1,613 34	53,487 31	1 06	1,451 49
Traverse City R. R.	6,083 68	8,174 75	14,258 43	2,714 55	1,727 64	.....	18,700 62	58	719 25
Total passenger department earnings	$610,404 74	$43,200 66	$653,605 40	$53,682 06	$52,635 23	$16,378 84	$776,301 53	$0 86	$1,545 59

FREIGHT EARNINGS.

	Local traffic.	Through traffic.	Total traffic.	Other sources, freight department.	Total.	Per train mile.	Per mile of road.
Main line and branches	$1,255,212 85	$87,146 47	$1,342,359 32	$8,349 83	$1,350,709 15	$1 54	$3,073 85
Leased or proprietary roads:							
Muskegon, Grand Rapids & Indiana R. R.	12,974 83	49,341 89	62,316 72	327 73	62,644 45	1 53	1,699 98
Traverse City R. R.	15,965 41	8,927 69	24,893 10	105 50	24,998 60	1 06	961 48
Total freight department earnings	$1,284,153 09	$145,416 05	$1,429,569 14	$8,783 06	$1,438,352 20	$1 53	$2,863 71

Total transportation earnings, entire line		$2,214,653 73
Transportation earnings per mile of road		4,409 29
Transportation earnings per train mile		1 20
Miscellaneous receipts from operating account, other than for transportation:		
From telegraph	$10,402 51	
From rents of tracks, yards and terminals	7,833 30	
From rents not otherwise provided for	2,337 12	
Total		$20,572 93

Distribution of miscellaneous earnings between main line and leased or proprietary roads:

Company.	Total miscellaneous.	Proportion for Michigan.
Main line	$20,017 89	$17,598 43
Muskegon, Grand Rapids & Indiana R. R.	267 99	267 99
Traverse City R. R.	287 05	287 05

Total earnings from operation of road	$2,235,226 66
Total earnings per mile of road	4,450 25
Total earnings per train mile	1 21
Proportion of taxable earnings for Michigan	1,913,201 55
Total taxable earnings per mile of road in Michigan	4,259 50
Total income from all sources	$2,235,226 66
Proportion of income for Michigan	1,913,201 55

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$170,699 56
Renewals of rails	58,613 21
Renewals of ties	84,837 66
Repairs and renewals of bridges and culverts	22,771 89
Repairs and renewals of fences, road crossings, signs and cattle guards	14,733 55
Repairs and renewals of buildings and fixtures	29,893 47
Repairs and renewals of docks and wharves	3,913 42
Repairs and renewals of telegraph	4,473 70
Stationery and printing	4 21
Other expenses	1,373 44
Total	$391,314 14

MAINTENANCE OF EQUIPMENT.

Superintendence	$9,211 42
Repairs and renewals of locomotives	149,907 27
Repairs and renewals of passenger cars	29,244 60
Repairs and renewals of freight cars	126,838 72
Repairs and renewals of work cars	3,601 66
Repairs and renewals of shop machinery and tools	4,089 32
Stationery and printing	918 90
Total	$323,777 80

CONDUCTING TRANSPORTATION.

Superintendence	$35,495 83
Engine and roundhouse men	24,237 55
Fuel for locomotives	205,873 21
Water supply for locomotives	8,885 60
Oil, tallow and waste for locomotives	6,162 60
Other supplies for locomotives	1,622 46
Train service	246,744 18
Train supplies and expenses	26,839 73
Switchmen, flagmen and watchmen	68,363 82
Telegraph expenses	30,005 64
Station service	139,886 03
Station supplies	16,466 39
Switching charges—balance	4,895 64
Car mileage—balance	25,644 24
Hire of equipment	1,591 30
Loss and damage	12,910 93
Injuries to persons	5,919 94
Clearing wrecks	4,121 56
Advertising	8,661 64
Outside agencies	18,633 68
Commissions	84 25
Rent for tracks, yards and terminals	43,067 16
Rent of buildings and other property	1,841 19
Stationery and printing	11,632 77
Other expenses	958 61
Total	$950,544 93

GENERAL EXPENSES.

Salaries of general officers	$15,764 85
Salaries of clerks and attendants	31,307 96
General office expenses and supplies	6,372 87
Law expenses	4,455 64
Stationery and printing (general offices)	6,532 38
Other expenses	2,254 69
Taxes	53,440 22
Total	$120,158 63

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	21.71	$391,314 14
Maintenance of equipment	18.89	340,589 69
Conducting transportation	52.73	950,544 98
General expenses, including taxes	6.67	120,158 63
Total operating expenses and taxes	100.00	$1,802,607 39

Operating expenses and taxes per mile of road, 502.27 miles		$3,588 92
Operating expenses and taxes per train mile run, for trains earning revenue, 1,841,558 miles		98
Proportion of operating expenses and taxes for Michigan, main line	$1,463,520 83	
Leased or proprietary roads:		
Muskegon, Grand Rapids & Indiana R. R.	94,828 00	
Traverse City R. R.	43,054 89	
Total proportion of expenses for Michigan		1,601,403 72
Per centage of expenses to earnings	80.64	
Net earnings per mile of road		861 33
Net earnings per train mile		23

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Fort Wayne, Indiana, to Mackinaw City, Michigan, July 3, 1882.

BRANCHES.

From Milton Junction, Michigan, to Carey, Michigan, 1882.
From Kegomic, Michigan, to Harbor Springs, Michigan, 1882.
From Miseaukee Junction, Michigan, to Lake City, Michigan, 1890.
From Jennings Spur Junction, Michigan, to Jennings, Michigan, 1882.
From Lake City, Michigan, to 5.39 miles east of Lake City, Michigan, 1894.
From 4.67 miles east of Lake City, Michigan, to 1.69 miles south of Herrick's Spur, Michigan, 1894.
From Osceola Junction, Michigan, to Olga, Michigan, 1885.
From Big Rapids, Michigan, to Vincent, Michigan, 1890.
From Bear Lake Junction, Michigan, to Bear Lake, Michigan, 1892.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Indiana state line to Mackinaw City	313.48	
In Indiana, from Fort Wayne to Michigan state line	53.11	
Total length completed		366.59
Length of double track on the main line	3.10	

BRANCHES.

	Miles.	Miles.
Missaukee Branch, from Missaukee Junction to Lake City	11.59	
Missaukee Branch, from Herrick Spur—from Lake City—to 5.39 miles east of Lake City	5.39	
Missaukee Branch, from Veneer Co. Spur—4.67 miles east of Lake City—to 1.69 miles south of Herrick's Spur	1.69	
Missaukee Branch, from Jennings Spur—from Jennings Spur Junction—to Jennings	3.00	
Manistee Branch, from Milton Junction to Carey	14.51	
Manistee Branch, from Haak's Spur—Haak's Spur Junction—to Haak's Mill	4.09	
Osceola Branch, from Osceola Junction to Olga	9.78	
Harbor Springs Branch, from Kegomic to Harbor Springs	5.76	
Ludington Branch, from Stimson Junction to Vincent	3.92	
Plaster Mill Spur, from Bartlett Street Junction to South Grand Rapids	3 93	
Bear Lake Branch, from Bear Lake Junction to Bear Lake	1.07	
Total length of branches owned by company		69.73
Total length of branches owned by company in Michigan	69.73	
Total length of road belonging to this company		436.32
Total length of road belonging to this company in Michigan		383.21
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated		114.77
Aggregate length of tracks in Michigan belonging to this company, computed as single track		501.08

Gauge of track, 4 feet 9 inches.

Proprietary or leased roads operated by this company.

Name, description and length of each:	Total miles.	In Michigan.
Muskegon, Grand Rapids & Indiana R. R	36.85	36.85
Traverse City R. R	26.00	26.00
Cincinnati, Richmond & Fort Wayne R. R	85.60	.....
Total	148.45	62.85
Total miles operated by the company	584.77	446.06

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	8	615.0
Stone bridges	1	18.8
Iron bridges	20	1,359.5
Combination bridges	7	1,075.0
Wooden trestles	144	11,417.0
Total	180	14,485.3

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
L. S. & M. S. R. R., at Sturgis, Plainwell, Kalamazoo, Grand Rapids.
Michigan Central R. R., at Wasepi, Kalamazoo.
Chicago & Grand Trunk R. R., at Vicksburg.
C., J. & M. R. R., at Monteith.
C. & W. M. R. R., at Grand Rapids, Mill Creek, Fruitport Junction, Muskegon and Traverse City.
D., G. H. & M. R. R., at Grand Rapids.
D., L. & N. R. R., at Grand Rapids, Big Rapids.
T., S. & M. R. R., at Cedar Springs.
F. & P. M. R. R., at Reed City.
T., A. A. & N. M. R. R., at Cadillac.
C. & N. E. R. R., at Cadillac.
Smith Lumber Co. R. R., at Kalkaska.
Mancelona & Northwestern R. R., at Mancelona.
David Ward's Logging R. R., at Alba.

What railroads cross your road either over or under your grade in this State, and where?
Over:
D., G. H. & M. R. R., near Kinney.

At what crossings are interlocking and derailing switches in operation?
Michigan Central R. R., at Wasepi and Kalamazoo.
C. & W. M. R. R., at Grand Rapids and Traverse City.
D., L. & N. R. R., at Grand Rapids.
T. S. & M. R R., at Cedar Springs.
T., A. A. & N. M. R. R., at Cadillac.
C. & N. E. R. R., at Cadillac.
Smith Lumber Co. R. R., at Kalkaska.
M. & N. W. R. R., at Mancelona.
David Ward's Logging R. R., at Alba.

What pattern or patterns have you adopted?
Union Switch & Signal Co., Gravit, Wharton, Johnson, Allentown.

Number of crossings of highways at grade in this State	560
Number of crossings of highways at grade in this State at which there are gates or flagmen	42
Number of crossings of highways over or under railroad: over 5; under 2	7
Number of highway bridges, 18 feet above track	5

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Wooden blocks.

Stations.

Number of stations on whole lines	159
Same in Michigan	122

Employés.

Number of persons regularly employed on all roads operated by company, including officials.	2,179
Same in Michigan	1,896

Classify your employés as per following list:	Number.
Baggagemen	24
Brakemen	121
Conductors	61
Engineers	91
Firemen	96
Laborers	584
Shopmen	321
Yardmen	134
Others	737

REPAIRS AND RENEWALS.

Fencing in Michigan.

	Miles.
How many miles of fencing have you	378
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:	
Newago, Mecosta, Osceola, Lake, Wexford, Missaukee, Grand Traverse, Emmet	58

Road bed and track.

Number of track sections in Michigan	97
Average length of sections, miles	4.6
Average number of men in each section gang	3.28
Number of new ties put in whole line during the year	255,082
Number of new ties put in track in Michigan	207,179
Average number of new ties per mile of road	434
New rails put in track:	
Steel, tons, 3,306.46	
Total miles of track laid with new rails	30.02

Bridges and culverts.

Amount of trestle work replaced with earth during the year, linear feet	407
Timber culverts replaced during the year:	
With iron pipe, number	15
With sewer pipe, number	1
With timber, number	9

New bridges built during the year.

Location.	Kind.	Material.	Month built.	Feet in length.
North of Fort Wayne	Trestle	Timber and piles.	June	16
North of Wallen	Trestle	Timber and piles.	October	48
North of Kendallville	Trestle	Timber and piles.	October	48
North of Kendallville	Trestle	Timber and piles.	November	16
North of Mendon	Trestle	Timber and piles.	September	48
South of Vicksburg	Trestle	Timber and piles.	June	48
North of Vicksburg	Trestle	Timber and piles.	June	16
At Kalamazoo	Trestle	Timber and piles.	August	56
North of Carp Lake	Trestle	Timber and piles.	January	16
North of Carp Lake	Trestle	Timber and piles.	January	16
Bridge 2, Ludington Branch	Trestle	Timber	April	48
Bridge 4, Ludington Branch	Trestle	Timber	April	48
Bridge 5, Ludington Branch	Trestle	Timber	April	48
Bridge 8, M., G. R. & I.	Trestle	Timber and piles.	August	96
Bridge 11, M., G. R. & I.	Trestle	Timber and piles.	August	48
Bridge 12, M., G. R. & I.	Trestle	Timber and piles.	July	16
Bridge 14, M., G. R. & I.	Trestle	Timber and piles.	August	80
Bridge 29, M., G. R. & I.	Trestle	Timber and piles.	October	80
Bridge 75, M., G. R. & I.	Trestle	Timber and piles.	December	80
Bridge 12, T. C. R. R.	Trestle	Timber and piles.	February	24

ROLLING STOCK.

		Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender		67	$435,500 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender		5	15,000 00
Total		72	$450,500 00
Number of passenger cars—12-wheel, including official cars		13	$39,000 00
Number of passenger cars—8-wheel, including official cars		55	137,500 00
Number of express and baggage cars		23	57,500 00
Number of box freight cars		1,369	410,700 00
Number of stock cars		50	15,000 00
Number of platform cars		1,362	340,500 00
Number of ore cars		165	41,250 00
Number of conductors' way cars		50	12,500 00
Other cars as follows:			
Snow plows	4		
Tool cars	13		
Derrick cars	3		
Pile driver	1		
Logging cars	20		
Inspection car	1		
		42	21,000 00
Total		3,129	$1,525,450 00
Number of locomotives equipped with power brakes		72	
Number of passenger train cars equipped with power brakes		96	
Number of freight cars equipped with power brakes		425	

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1883, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Janney.

How are your passenger cars heated?
Steam.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	885,264	778,050
Miles run by freight trains during the year	892,483	737,966
Miles run by mixed trains	63,811	63,811
Total mileage of trains earning revenue	1,841,558	1,574,828

Passenger traffic.—Entire lines.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	48,948		
Number of local passengers carried, earning revenue	1,032,092		
Total number of passengers carried, earning revenue	1,081,040		
Number of passengers carried one mile	29,464,357		
Average distance carried		27.26	
Average amount received from each passenger			$0 61
Average receipts per mile for through passengers			02.027
Average receipts per mile for local passengers			02.233
Average receipts per passenger per mile for all passengers			02.218

Passenger traffic.—In State of Michigan.

	Number.	Miles.	Rate.
Number of through passengers carried, earning revenue	49,097		
Number of local passengers carried, earning revenue	964,327		
Total number of passengers carried, earning revenue	1,013,424		
Number of passengers carried one mile	28,780,024		
Average distance carried		28.40	
Average amount received from each passenger			$0 55
Average receipts per mile for through passengers			02.023
Average receipts per mile for local passengers			01.943
Average receipts per passenger per mile for all passengers			01.949

Freight Traffic.—Entire Lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	177,994		
Number of tons of local freight carried earning revenue	1,503,425		
Total tons of freight carried, earning revenue	1,681,419		
Total mileage of through freight		26,470,411	
Total mileage of local freight		147,462,297	
Total freight mileage or tons carried one mile		173,932,708	
Average ton haul for through freight		148.72	
Average ton haul for local freight		98.08	
Average ton haul for all freight		103.44	
Average receipts ton per mile for through freight			$0 85
Average receipts ton per mile for local freight			00.550
Average receipts ton per mile for all freight			00.871
Estimated cost of carrying one ton one mile			00.822

Freight traffic.—In State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	209,152		
Number of tons of local freight carried, earning revenue	1,195,326		
Total tons of freight carried, earning revenue	1,404,478		
Total mileage of through freight		32,691,602	
Total mileage of local freight		110,948,146	
Total freight mileage or tons carried one mile		143,639,748	
Average ton haul for through freight		156	
Average ton haul for local freight		92	
Average ton haul for all freight		102	
Average amount received for each ton haul			$0 87
Average receipts ton per mile for through freight			00.509
Average receipts ton per mile, for local freight			00.945
Average receipts ton per mile, for all freight			00.846

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	20,565	27,843	48,408	2.88
Flour	11,903	72,307	84,210	5.01
Other mill products	6,902	20,007	26,909	1.60
Hay	4,062	14,988	19,050	1.13
Tobacco	88	1,171	1,259	0.07
Cotton	2	2	4	
Fruit, vegetables and potatoes	36,752	19,108	55,860	3.32
Other articles	1,320	3,786	5,106	.30
Products of animals:				
Live stock	6,679	2,346	9,025	.54
Dressed meats	1,408	3,798	5,206	.31
Other packing house products	120	283	403	.02
Poultry, game and fish	409	211	620	.04
Wool	293	448	741	.04
Hides and leather	1,425	2,059	3,448	.21
Other articles	1,632	488	2,110	.12
Products of mines:				
Anthracite coal	166	31,563	31,729	1.89
Bituminous coal	394	105,262	105,656	6.28
Coke	25	3,626	3,651	.22
Ores	1	47,402	47,403	2.82
Stone, sand and other like articles	16,157	6,076	22,233	1.32
Salt	240	4,103	4,343	.26
Products of forest:				
Lumber	273,832	159,758	433,390	25.79
Logs, shingles and other articles	373,737	117,905	491,642	29.24
Manufactures:				
Petroleum and other oils	3,094	13,517	16,611	.99
Sugar	3,415	7,494	10,909	.65
Iron, pig and bloom	27,271	8,313	35,584	2.12
Iron and steel rails	572	8,229	8,801	.52
Other castings and machinery	9,926	18,484	28,410	1.69
Bar and sheet metal	1,207	14,008	15,215	.91
Cement, brick and lime	5,792	13,566	19,358	1.15
Agricultural implements	1,116	1,548	2,664	.16
Wagons, carriages, tools, etc.	3,998	999	4,997	.30
Wines, liquors and beers	2,371	2,753	5,124	.30
Household goods and furniture	23,915	5,915	29,830	1.77
Other manufactures	26,305	43,280	69,585	4.14
Merchandise	7,236	6,869	14,105	.84
Miscellaneous:				
Other commodities not mentioned above	16,313	1,281	17,594	1.05
Total tonnage	890,623	790,796	1,681,419	100

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	11,374	21,030	32,404	2.30
Flour	11,728	71,899	83,627	5.86
Other mill products	6,777	19,690	26,467	1.85
Hay	3,606	14,182	17,788	1.24
Tobacco	45	319	364	.02
Cotton	2	2	4	
Fruit, vegetables and potatoes	35,895	12,353	48,248	3.38
Other articles	1,169	3,098	4,267	.30
Products of animals:				
Live stock	4,223	1,446	5,669	.40
Dressed meats	1,352	3,775	5,127	.36
Other packing house products	110	265	375	.06
Poultry, game and fish	291	58	349	.02
Wool	291	314	605	.04
Hides and leather	1,224	1,354	2,578	.19
Other articles	970	326	1,296	.09
Products of mines:				
Anthracite coal		7,660	7,660	.54
Bituminous coal		25,895	25,895	1.82
Coke		837	837	.06
Ores	1	47,402	47,403	3.32
Stone, sand and other like articles	15,925	4,303	20,228	1.42
Salt	251	3,698	3,949	.28
Products of forest:				
Lumber	270,824	136,093	406,917	28.52
Logs, shingles and other articles	371,502	115,263	486,765	34.12
Manufactures:				
Petroleum and other oils	2,289	4,828	7,117	.50
Sugar	3,095	2,566	5,661	.40
Iron, pig and bloom	26,530	1,318	27,848	1.95
Iron and steel rails	551	8,041	8,592	.60
Other castings and machinery	6,255	8,979	15,234	1.07
Bar and sheet metal	349	6,240	6,589	.46
Cement, brick and lime	4,026	7,173	11,199	.78
Agricultural implements	873	1,085	1,908	.13
Wagons, carriages, tools, etc.	3,904	649	4,549	.32
Wines, liquors and beers	2,158	1,266	3,424	.24
Household goods and furniture	23,365	5,055	28,420	1.99
Other manufactures	23,469	25,956	49,425	3.46
Merchandise	6,244	4,523	10,767	.75
Miscellaneous:				
Other commodities not mentioned above	15,902	1,112	17,014	1.19
Total tonnage	857,670	569,999	1,426,669	10

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

Adams Express Co., 47½ per cent of gross earnings. All freight received and delivered at depots. The above covers all lines operated by this company.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

	Miles.
Telegraph wire belonging to this company	977.8
Telegraph wire belonging to Grand Rapids Herald Co.	142
Total	1,119.8

TRANSPORTATION COMPANIES.

Sleeping, drawing-room and palace car companies.

What sleeping, drawing-room, chair or other palace passenger cars, not the exclusive property of your own or some other railroad company, have, during the year, been in use on your road in the State of Michigan, and on what terms? If rented by you, or allowed mileage between local points in this State, what was the amount paid for the use of such cars during the period under report?

	Amount paid.
Wagner Palace Car Co., New York, 1¾ cents per mile	$8,665 39
Pullman Palace Car Co., Chicago, Ill., 3 cents per mile	63 57

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

January 15, Henry Ruple, citizen, Summit City. Intoxicated; trespasser.
March 19, W. Blackwell, Cooper. Fell from train; accidental.
March 22, unknown, South Grand Rapids. Trespasser.
March 30, John R. Todd, citizen, Paris. Trespasser.
April 6, John R. Goudy, citizen, Traverse City. Fell from train; intoxicated.
July 13, Amos Colvin, Tustin. Trespasser.
August 30, unknown, D., G. H. & M. Junction. Trespasser.
September 8, J. J. Murphy, brakeman, Crofton. Fell from train; accidental.
September 20, W. A. Denby, lineman, Grand Rapids. Struck by switch engine; accidental.
November 23, Mrs. Gunnerson, Tustin. Trespasser.
October 29, unknown, Cadillac. Trespasser.
December 10, Ernest Horn, Alba. Trespasser.

INJURED.

January 17, W. Logan, brakeman, Grand Rapids. Carelessness; coupling.
January 22, C. B. Royer, fireman, Howard City. Fell from engine; accidental.
February 6, B. Jasinski, boy, Grand Rapids. Struck on crossing; carelessness.
February 28, B. L. Lewis, brakeman, Tustin. Fell from train; accidental.
March 4, L. D. Tuttle, brakeman, Le Roy. Carelessness; coupling.
March 12, P. Reed, switchman, Kalamazoo. Carelessness; coupling.
March 15, A. Wilcox, brakeman, Harbor Springs. Carelessness; coupling.
May 7, William Sisson, brakeman, Howard City. Fell from train; accidental.
May 20, William Doyle, brakeman, Elmira. Carelessness; coupling.
May 26, J. C. Stevens, brakeman, D., G. H. & M. Junction. Thrown from caboose cupola; accidental.
May 31, L. O'Toole, laborer, Belmont. Trespasser.
June 12, J. Shiras, brakeman, Cadillac. Carelessness; coupling.
July 2, A. A. Warren, passenger, Stanwood. Fall from train; carelessness.
August 6, F. Hollister, brakeman, Cadillac. Carelessness; coupling.
August 9, Mrs. J. C. Richards, passenger, Kingsley. Derailment; accident.
September 11, S. R. Batchelder, brakeman, Petoskey. Carelessness; coupling.
September 27, Carl Blair, brakeman, Muskegon. Carelessness; coupling.
October 2, Mrs. M. Page, passenger, Muskegon Junction. Seat fell off platform; accidental.
October 28, Miss Sutliff, passenger, Grand Rapids. Fell off platform; accidental.
November 4, William Link, brakeman, Antrim. Carelessness; coupling.
November 16, Geo. Johnson, brakeman, Alba. Carelessness; coupling.
December 8, William Cassiday, brakeman, Grand Rapids. Accidental; coupling.
December 21, J. R. Foote, brakeman, Grand Rapids. Carelessness; coupling.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars					13	
Derailments				1		
Falling from trains	2	1		2	4	
Highway crossings						1
Miscellaneous		1		1		
Trespassers on tracks			8			1
Total	2	2	8	4	17	2

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	12
Number of persons injured during the year	23
Number of casualties purely accidental	11
Number resulting from lack of caution, carelessness or misconduct	14
Persons killed or injured while intoxicated	2
Trespassers and tramps killed or injured	8

CLASSIFICATION OF EMPLOYÉS.

KILLED OR INJURED IN MICHIGAN.

Employés.	Killed.	Injured.	Total.
Baggagemen	1	15	16
Firemen		1	1
Yardmen		1	1
Not classified above	1		1
Total	2	17	19

STATE OF MICHIGAN, }
COUNTY OF KENT, } ss.

W. R. Shelby, First Vice President, and R. R. Metheany, Auditor of the Grand Rapids & Indiana Railroad Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed W. R. SHELBY, *First Vice President.*
R. R. METHEANY, *Auditor.*

Subscribed and sworn to before me this 20th day of April, A. D. 1896.

FRANK L. DANFORTH,
Notary Public, Kent County, Mich.

ANNUAL REPORT

OF THE

MUSKEGON, GRAND RAPIDS & INDIANA RAILROAD COMPANY.

For the year ending December 31, 1895.

[Filed May 2, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, W. O. HUGHART, Grand Rapids, Mich.
Secretary, R. R. METHEANY, Grand Rapids, Mich.
Treasurer, W. R. SHELBY. Grand Rapids, Mich.
General Manager, J. H. P. HUGHART, Grand Rapids, Mich.

DIRECTORS.

W. O. HUGHART, Grand Rapids, Mich.
W. R. SHELBY, Grand Rapids, Mich.
T. J. O'BRIEN, Grand Rapids, Mich.
J. H. P. HUGHART, Grand Rapids, Mich.
R. R. METHEANY, Grand Rapids, Mich.
L. N. KEATING, Muskegon, Mich.
N. MCGRAFT, Muskegon, Mich.
Terms expire March 2, 1897.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When articles of association filed: February 12, 1886.
Number of stockholders at date of last election: 8.
Number of stockholders in Michigan at same date: 8.
Amount of full paid stock held in Michigan at same date. $1,000.00.
Date of annual meeting of stockholders: First Wednesday in March.
Fiscal year of company ends December 31.
General offices of the company are located at Grand Rapids, Mich.

REMARKS.

Leased to Grand Rapids & Indiana Railroad Company for 99 years.
Terms, net earnings, guaranteed to be equal to interest on bonds.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$350,000 00
Par value of shares	$100 00		
Amount paid in on shares not issued		$1,000 00	
Total amount paid in as per books of the company			1,000 00
Paid in per mile of road owned by company			27 14

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage, June 9, 1886	5%	July 1, 1926	New York	$750,000 00

These bonds were issued by the Grand Rapids & Indiana Railroad Company, and are secured by a first mortgage on the railroad and its property of the Muskegon, Grand Rapids & Indiana Railroad.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For miscellaneous	Coupons. To be paid	$80,550 00

RECAPITULATION.

Total funded debt	$750,000 00
Total unfunded debt	80,550 00
Total debt liabilities	$830,550 00
Amount of debt liabilities per mile of road	22,538 67
Total amount of stock and debt	831,550 00
Stock and debt per mile of road	22,565 81

INTEREST ON THE FUNDED DEBT.

What is the amount of same due each year	$37,500 00
Was it paid for the last year? No.	
If interest is in default state the years and amounts as follows:	
Six months interest due July 1, 1894	18,750 00
Six months interest due January 1, 1895	18,750 00
Six months interest due July 1, 1895	18,750 00
Six months interest due January 1, 1896	18,750 00

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction	$746,978 21
Average cost per mile of road (not including sidings), 36.85 miles	20,270 78
Proportion of cost of construction for Michigan	746,978 21

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
December 1, 1886.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	36.85	
Total length of road belonging to this company		36.85
Total length of road belonging to this company in Michigan	36.85	
Aggregate length of sidings, spurs and other tracks not above enumerated		8.26
Same in Michigan	8.26	
Aggregate length of tracks belonging to this company computed as single track		45.11
Same in Michigan	45.11	

Gauge of track: 4 feet 9 inches.

STATE OF MICHIGAN, }
COUNTY OF MUSKEGON, } ss.

Newcomb McGraft, vice president, and R. R. Metheany, secretary, of the Muskegon, Grand Rapids & Indiana Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

N. McGRAFT, *Vice President.*
R. R. METHEANY, *Secretary.*

As to Newcomb McGraft, vice president, subscribed and sworn to before me this 24th day of April, A. D. 1896.

EDITH McGRAFT.
Notary Public.

As to R. R. Metheany, secretary, subscribed and sworn to before me this 20th day of April, A. D. 1896.

FRANK L. DANFORTH,
Notary Public for Kent Co.

ANNUAL REPORT

OF THE

TRAVERSE CITY RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 24, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, PERRY HANNAH, Traverse City, Mich.
Secretary and Treasurer, F. A. GORHAM, Grand Rapids, Mich.
General Manager. J. H. P. HUGHART, Grand Rapids, Mich.

DIRECTORS.

PERRY HANNAH, Traverse City, Mich.
W. H. C. MITCHELL, Traverse City, Mich.
THOS. T. BATES, Traverse City, Mich.
D. C. LEACH, Traverse City, Mich.
W. O. HUGHART, Grand Rapids, Mich.
W. R. SHELBY, Grand Rapids Mich.
J. H. P. HUGHART, Grand Rapids, Mich.
Terms expire May 7, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: October 30, 1871.
Number of stockholders at date of last election: 73.
Number of stockholders in Michigan at same date: 72.
Amount of full paid stock held in Michigan at same date: $35,400.00.
Date of annual meeting of stockholders: Thursday after first Wednesday in May.
Fiscal year of company ends December 31.
General offices of the company are located at Traverse City, Mich.

REMARKS.

Leased to Grand Rapids & Indiana Railroad Company for 50 years from January 1, 1893; rental, net earnings guaranteed to be not less than interest on first mortgage bonds, or $7,500,00 per year.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$205,000 00
Par value of shares		$100 00	
Average price received per share		100 00	
Number of shares issued	2,050		
Amount paid in on common		205,000 00	
Total amount paid in, as per books of the company			$205,000 00
Paid in per mile of road owned by company, 26 miles			7,884 62

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage, January 1, 1883	3%	January, 1, 1933.	New York	$250,000 00
Income mortgage, January 1, 1883 (not to exceed)	5%	January 1, 1933.	New York	190,000 00
Total				$440,000 00

UNFUNDED DEBT.

For what incurred?	Is the same to be funded or how liquidated?	Amount.
For miscellaneous	Coupons; to be paid	$7,650 00
For current balances		807 86
Total unfunded debt		$8,357 86

RECAPITULATION.

Total funded debt		$440,000 00
Total unfunded debt		8,357 86
Total debt liabilities		$448,357 86
Amount of debt liabilities per mile of road, 26 miles		17,244 53
Total amount of stock and debt		653,357 86
Stock and debt per mile of road		25,129 15

INTEREST ON THE FUNDED DEBT.

What is the amount of same due each year		$7,500 00
Was in paid for the last year? No.		
If interest is in default state the years and amounts as follows:		
Six months interest due July 1, 1895	$3,750 00	
Six months interest due January 1, 1896	3,750 00	

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction	$646,268 15
Average cost per mile of road, not included in sidings	24,856 47
Proportion of cost of construction for Michigan	646,268 15

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
December 1, 1872.

MAIN LINE.

		Miles
Length completed in Michigan		26
Total length of road belonging to this company		26
Total length of road belonging to this company in Michigan	26	
Aggregate length of sidings, spurs and other tracks not above enumerated		4.20
Same in Michigan	4.20	
Aggregate length of tracks belonging to this company, computed as single track		30.20
Same in Michigan	30.20	

Gauge of track, 4 feet, 9 inches.

STATE OF MICHIGAN, }
COUNTY OF GRAND TRAVERSE, } ss.

Perry Hannah, president, and R. R. Metheany, Auditor, of the Traverse City Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

PERRY HANNAH, *President*,
R. R. METHEANY, *Auditor*.

As to Perry Hannah, president, subscribed and sworn to before me this 23d day of April, A. D. 1896.

GEO. W. HALL,
Notary Public.

As to R. R. Metheany, Auditor, subscribed and sworn to before me this 20th day of April, A. D. 1896.

[L. S.]

FRANK L. DANFORTH,
Notary Public, Kent County.

ANNUAL REPORT

OF THE

HANCOCK & CALUMET RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES

President, A. B. ELDREDGE, Marquette, Mich.
Vice President, V. B. COCHRAN, Marquette, Mich.
Secretary, A. E. MILLER, Marquette, Mich.
Auditor, A. E. DELF, Marquette, Mich.
Treasurer, E. W. ALLEN, Marquette, Mich.
Assistant Treasurer and Assistant Secretary:
GEO. H. CHURCH, New York, N. Y.
General Manager, WM. F. FITCH, Marquette, Mich.
Superintendent, J. C. SHIELDS, Hancock, Mich.
General Passenger Agent, GEO. W. HIBBARD, Marquette, Mich.
General Freight Agent, WM. ORR, Duluth, Minn.
Attorney, A. B. ELDREDGE, Marquette, Mich.

DIRECTORS.

V. B. COCHRAN, Marquette, Mich.
C. H. CALL, Marquette, Mich.
A. B. ELDREDGE, Marquette, Mich.
A. E. MILLER, Marquette, Mich.
A. S. BIGELOW, Boston, Mass.
W. E. PARNELL, Calumet, Mich.
Terms expire July 9, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: January 14, 1885.
Number of stockholders at date of last election: 12.
Number of stockholders in Michigan at same date: 10.
Amount of full paid stock held in Michigan at same date: 1,006 shares.
Date of annual meeting of stockholders: Second Tuesday in July.
Fiscal year of company ends December 31.
General offices of the company are located at Marquette, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$194,199 63
Total expenses, including taxes	$105,898 40	
Net income		$88,301 23
Interest on funded debt	16,375 00	
Rentals of buildings, tracks, etc. Included in operating expenses.		
Balance applicable to dividends		$71,926 23
Dividends declared (10 per cent)	35,000 00	
Balance for the year		36,926 23
Balance, profit and loss, last year		223,188 24
Balance forward to next year		$260,114 47

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$350,000 00
Par value of shares		$100 00	
Number of shares issued	3,500		
Amount paid in on common		350,000 00	
Total amount paid in as per books of the company			350,000 00
Paid in per mile of road owned by company, 34.31 miles			10,201 11

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
H. & C. R. R. consol. mortgages, Jan. 1, 1891	5%	Jan. 1, 1931	New York, N. Y.	*$400,000 00

RECAPITULATION.

Total debt liabilities	$400,000 00
Amount of debt liabilities per mile of road, 34.31 miles	$11,658 41
Total amount of stock and debt	750,000 00
Stock and debt per mile of road, 34.31 miles	21,859 52

GENERAL BALANCE SHEET.—Dr.

Construction account		$394,482 04
Equipment account		155,391 02
Other investments:		
Hancock & Calumet R. R. 5% bonds	$75,000 00	
Other assets:		
Materials and supplies		85,241 41
Debit balances from companies and individuals	85,241 41	
Total		$1,010,114 47

GENERAL BALANCE SHEET.—Cr.

Capital stock	$350,000 00
Funded debt	400,000 00
Profit and loss or income accounts	260,114 47
Total	$1,010,114 47

COST OF ROAD AND EQUIPMENT.

Total cost for construction and equipment of road and branches built by company.

Total expended for construction and equipment	$849,873 06
Average cost per mile of road (not including sidings) 34.31 miles	24,770 42
Proportion of cost for Michigan	849,873 06

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Extensions and new sidings	$1,798 99
Premium on bonds redeemed	350 00
New fences	1,440 56
Total	$3,589 55
Branches:	
North Tamarack branch	1,401 72
Total charges to property account as above	$4,991 27
Property sold and credited	100 00
Net addition to property account	4,891 27

* See general balance sheet Dr. Of the $400,000.00 5 per cent bonds, $75,000.00 are in the treasury of the company.

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$12,487 32	
Total passenger fares	$12,487 32	
Express and baggage	343 11	
Mails	642 92	
Total passenger department earnings		$13,473 35
Per train mile	$0 53.8	
Per mile of road	390 08	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$180,701 28	
Total traffic	$180,701 28	
Total freight department earnings		180,701 28
Per train mile	$1 47.5	
Per mile of road	5,231 65	
Total transportation earnings, entire line		$194,174 63
Transportation earnings per mile of road		5,621 73
Transportation earnings per train mile		1 31.62
Miscellaneous receipts from operating account, other than for transportation, as follows:		
From rents not otherwise provided for		25 00
Total earnings from operation of road		$194,199 63
Total earnings per mile of road	$5,622 46	
Total earnings per train mile	1 31.62	
Proportion of taxable earnings for Michigan	194,199 63	
Total taxable earnings per mile of road in Michigan	5,622 46	
Total income from all sources		$194,199 63
Proportion of income for Michigan		194,199 63

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$13,795 59
Renewals of ties	1,164 99
Repairs and renewals of bridges and culverts	761 22
Repairs and renewals of fences, road crossings, signs and cattle guards	45 47
Repairs and renewals of buildings and fixtures	530 18
Repairs and renewals of telegraph	211 25
Stationery and printing	1 00
Total	$16,509 70

MAINTENANCE OF EQUIPMENT.

Repairs and renewals of locomotives	$3,705 44
Repairs and renewals of passenger cars	1,284 53
Repairs and renewals of freight cars	8,400 42
Repairs and renewals of shop machinery and tools	6 80
Total	$13,347 18

CONDUCTING TRANSPORTATION.

Engine and roundhouse men	$15,928 80
Fuel for locomotives	14,475 64
Water supply for locomotives	684 05
Oil, tallow and waste for locomotives	487 92
Other supplies for locomotives	106 01
Train service	14,067 63
Train supplies and expenses	447 92
Switchmen, flagmen and watchmen	2,051 50
Telegraph expenses	1,641 54
Station service	10,625 37
Station supplies	784 32
Loss and damage	266 04
Injuries to persons	75 00
Advertising	48 98
Rent of buildings and other property	900 00
Stationery and printing	563 25
Total	$63,108 71

GENERAL EXPENSES.

Salaries of general officers	$3,790 96
Salaries of clerks and attendants	1,985 07
General office expenses and supplies	220 60
Insurance	467 00
Law expenses	497 79
Stationery and printing (general offices)	153 72
Other expenses	784 78
Taxes	5,032 89
Total	$12,932 81

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	15.59	$16,509 70
Maintenance of equipment	12.60	13,347 13
Conducting transportation	59.60	63,108 71
General expenses, including taxes	12.21	12,932 81
Total operating expenses and taxes	100	$105,898 40
Operating expenses and taxes per mile of road		$3,065 96
Operating expenses and taxes per train mile run, for trains earning revenue, 147,528 miles		71.78
Total proportion of expenses and taxes for Michigan		105,898 40
Percentage of expenses to earnings	54.53	
Net earnings per mile of road		2,556 49
Net earnings per train mile		59.85

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Hancock to Calumet December 1, 1885.
From Junction to Lake Linden, December 1, 1885.
From Calumet to Allouez, March 12, 1887.
From Allouez to Fulton, October 28, 1891.
From Fulton to end of track, July 26, 1895.

MAIN LINE.

	Miles.	Miles.
In Michigan from Hancock to end of track		34.12

BRANCHES.

Lake Linden, from Junction to Lake Linden	2.51	
North Tamarack, from Tamarack mine to North Tamarack mine	1.87	
Tamarack, Jr., from main line to Tamarack, Jr., mine	.66	
Kearsarge, from main line to Kearsarge mine	.65	
Dollar Bay, from main line to Dollar Bay dock	.75	
Union Coal Dock, from main line to Union Coal Dock, Dollar Bay	.75	
Trap Rock, from main line near Lake Linden to end of track	3.00	
Total length of branches owned by company		10.19
Total length of branches owned by company in Michigan	10.19	
Total length of road belonging to this company		34.31
Total length of road belonging to this company in Michigan	34.31	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	9.25	
Aggregate length of tracks in Michigan belonging to this company computed as single track		43 56

Gauge of track, 3 feet.

Proprietary or leased roads operated by this company.

Name, description and length of each:

	Total miles.	In Michigan.
Mineral Range R. R., from passenger depot at Hancock to H. & C. R. R. connection at Smelting works	.23	.23
Total miles operated by the company	34.54	34.54

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Iron	3	560
Wooden trestles	17	4,450
Total	20	5,010

Crossings.—Railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Mineral Range R. R. at Osceola.
Hecla & Torch Lake R. R. at Calumet.

What railroads cross your road either over or under your grade in this State, and where?
Over:
Hecla & Torch Lake R. R. at Calumet.

At what crossings are interlocking and derailing switches in operation?
Osceola.

What pattern or patterns have you adopted?
Pennsylvania Steel Co.

Number of crossings of highways at grade in this State	12
Number of crossings of highways over or under railroad (over 1)	1
Number of highway bridges, 18 feet above track	1

Have safety guards been erected at overhead obstructions?
Yes.

Are you frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Filled in with wooden blocks.

Stations.

Number of stations on whole lines (all in Michigan)	6

Employés.

Number of persons regularly employed on all roads operated by company, including officials, (all in Michigan)	104

Classify your employés as per following list:	Number.
Brakemen	12
Conductors	7
Engineers	8
Firemen	6
Laborers	33
Shopmen	8
Yardmen	1
Others	29

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?		33.80
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:		
Houghton county	35 23	
Keweenaw county	10.60	
Total miles required		45.83

Road bed and track.

Number of track sections in Michigan	7
Average lengths of sections, miles	6
Average number of men in each section gang	5
Number of new ties put in whole line during the year	6,051
Number of new ties put in track in Michigan	6,051
Average number of new ties per mile of road	176

Bridges and culverts.

Timber culverts replaced during the year:	
With timber—number	3

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	7	$56,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	1	5,000 00
Total	8	$61,000 00
Number of passenger cars—8 wheel, including official cars	4	$12,000 00
Number of box freight cars	16	4,800 00
Number of platform cars	123	30,750 00
Number of ore cars	113	42,375 00
Number of conductors' way cars	3	1,200 00
Total	259	$152,125 00

Number of locomotives equipped with power brakes	8
Number of passenger train cars equipped with power brakes	4

What patterns of power brakes have you in use, and number of locomotives and cars with each?
1 locomotive Westinghouse air brake; 6 locomotives American Brake Co., vacuum brake; 4 passenger cars, Westinghouse air brake.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Janney.

How are your passenger cars heated?
Baker hot water heaters.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	25,040
Miles run by freight trains during the year	122,488
Total mileage of trains earning revenue	147,528

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of local passengers carried, earning revenue	55,499		
Total number of passengers carried, earning revenue	55,499		
Number of passengers carried one mile	352,998		
Average distance carried		6.3604	
Average amount received from each passenger			$0 22.50
Average receipts per mile for local passengers			03.53
Average receipts per passenger per mile for all passengers			03.53

Estimated cost of carrying each passenger one mile: We have no data from which to enable us to reply to this question, as passenger and freight expenses are not kept separately.

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of local freight carried, earning revenue	1,089,002		
Total tons of freight carried, earning revenue	1,089,002		
Total mileage of local freight		6,541,289	
Total freight mileage, or tons carried one mile		6,541,289	
Average ton haul for local freight		6.0067	
Average ton haul for all freight		6.0067	
Average amount received for each ton haul			$0 16.593
Average receipts ton per mile, for local freight			02.76
Average receipts ton per mile, for all freight			02.76

Estimated cost of carrying one ton one mile: We have no data from which to enable us to reply to this question, as freight and passenger expenses are not kept separately.

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	857		857	.07
Flour	343		343	.03
Other mill products	304		304	.03
Hay	433		433	.04
Fruit and vegetables	57		57	.01
Products of mines:				
Bituminous coal	31,005		31,005	2.85
Ores (copper rock)	819,133		819,133	75.22
Stone, sand and other like articles	1,523		1,523	.14
Copper	29,459		29,459	2.71
Products of forest:				
Lumber	12,751		12,751	1.17
Logs	13,224		13,224	1.21
Other forest products	169,519		169,519	15.55
Manufactures:				
Petroleum and other oils	66		66	.01
Iron, pig and bloom	186		186	.03
Iron and steel rails	93		93	.03
Other castings and machinery	2,183		2,183	.20
Cement, brick and lime	219		219	.03
Wines, liquors and beers	945		945	.08
Merchandise	6,704		6,704	.61
Total tonnage	1,089,002		1,089,002	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

Western Express Co. Hancock & Calumet R. R. receives $20.00 per month. They do a general business. Deliveries made at railroad depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

10 miles; owned by Mineral Range R. R. Co.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

INJURED.

February 8, 1895, Killian Schwartz, brakeman, Osceola. Coupling; hips pinched; accidental.

February 9, 1895, Ansonia Sciascers, teamster, Red Jacket. Caught on crossing while driving over; run into by train; carelessness on part of driver.

March 11, 1895, Alex McLean, brakeman, Osceola. Coupling; accidental.

August 19, 1895, James McGrath, engineer, Tamarack. Pinched about hips while fixing chain between engine and broken cars; accidental.

October 9, 1895, Albert Rose (boy), trespasser, Tamarack mill. Crossing between cars; foot caught and bruised between drawhead and deadwood.

December 16, 1895, Chas. Jewel, brakeman, Allouez. Coupling; hand split open; accidental.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars					3	
Highway crossings						1
Miscellaneous					1	
Trespassers on trains						1
Total					4	2

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons injured during the year	6
Number of casualities purely accidental	4
Number resulting from lack of caution, carelessness or misconduct	2
Trespassers and tramps killed or injured	1

CLASSIFICATION OF EMPLOYÉS.

KILLED OR INJURED IN MICHIGAN.

	Killed.	Injured.	Total.
Brakemen		3	
Engineers		1	
Total		4	

STATE OF MICHIGAN, }
COUNTY OF MARQUETTE, } ss.

Wm. F. Fitch, general manager, and A. E. Delf, auditor, of the Hancock & Calumet Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

WM. F. FITCH, *General Manager*,
A. E. DELF, *Auditor*.

Subscribed and sworn to before me this 31st day of March, A. D. 1896.

[L. S.]

ALBERT E. MILLER,
Notary Public, Mich.

ANNUAL REPORT

OF THE

INDIANA & LAKE MICHIGAN RAILWAY COMPANY,

LEASED BY THE

TERRE HAUTE & INDIANAPOLIS RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 2, 1896.]

OFFICERS OF THE TERRE HAUTE & INDIANAPOLIS RAILROAD COMPANY, WITH LOCATION OF OFFICES.

President, JAS. McCREA, Pittsburg, Pa.
Vice President and General Manager, J. J. TURNER, Terre Haute, Ind.
Secretary, GEO. E. FARRINGTON, Terre Haute, Ind.
Auditor, W. S. RONEY, Terre Haute, Ind.
Treasurer, R. B. THOMPSON, Terre Haute, Ind.
Division Superintendent, F. T. HATCH, Logansport, Ind.
Chief Engineer, A. J. GIBBONS, Terre Haute, Ind.
Superintendent of Telegraph, A. M. SCHOYER, Pittsburg, Pa.
General Passenger Agent, E. A. FORD, Pittsburg, Pa.
General Freight Agent, N. W. TAYLOR, St. Louis, Mo.
Attorney General, T. J. GOLDEN, Terre Haute, Ind.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: March 20, 1888.
Number of stockholders at date of last election: 5.
Number of stockholders in Michigan at same date: None.
Amount of full paid stock held in Michigan at same date: None.
Date of annual meeting of stockholders: Second Wednesday in December.
Fiscal year of company ends: October 31.
General offices of the company are located at Terre Haute, Ind.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$66,750 53
Total expenses, including taxes	$75,919 45	
Net deficit		$9,168 92
Balance (profit and loss) last year	202,801 24	
Balance forward to next year	$211,970 17	

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$9,183 51	
Through fares	1,569 34	
Total passenger fares	$10,752 85	
Express and baggage	1,290 34	
Mails	1,958 .2	
Total passenger department earnings		$14,000 81
Per train mile	$0 37	
Per mile of road	558 91	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	10,208 50	
Through traffic	17,532 00	
Total traffic		27,740 50
Total freight department earnings		27,740 50
Per train mile	$1 56	
Per mile of road	1,107 41	

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$13,932 34	
Through fares	2,361 22	
Total passenger fares	$16,374 56	
Express and baggage	2,035 02	
Mails	3,071 07	
Total passenger department earnings		$21,480 65
Per train mile	$0 26	
Per mile of road	546 72	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$16,632 46	
Through traffic	28,637 41	
Total traffic	$45,269 87	
Total freight department earnings		45,269 87
Per train mile	$1 62	
Per mile of road	1,152 19	
Total transportation earnings, entire line		$66,750 52
Transportation earnings per mile of road	$1,698 92	
Transportation earnings per train mile	76	
Total earnings from operation of road		$66,750 52
Total earnings per mile of road		1,698 92
Total earnings per train mile		76
Proportion of taxable earnings for Michigan		41,741 31
Total taxable earnings per mile of road in Michigan		1,666 92
Total income from all sources		66,750 52
Proportion of income for Michigan		41,741 31

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$12,114 78
Renewals of rails	667 73
Renewals of ties	3,247 51
Repairs and renewals of bridges and culverts	151 34
Repairs and renewals of fences, road crossings, signs and cattle guards	291 34
Repairs and renewals of buildings and fixtures	470 23
Repairs and renewals of docks and wharves	1 81
Repairs and renewals of telegraph	78 33
Stationery and printing	34 01
Other expenses	1,569 63
Total	$18,726 69

MAINTENANCE OF EQUIPMENT.

Superintendence	$208 40
Repairs and renewals of locomotives	1,358 17
Repairs and renewals of passenger cars	186 23
Repairs and renewals of freight cars	3,525 26
Repairs and renewals of work cars	59 23
Repairs and renewals of shop machinery and tools	2 25
Stationery and printing	3 19
Other expenses	162 03
Total	$5,499 86

CONDUCTING TRANSPORTATION.

Superintendence	$447 69
Engine and roundhouse men	9,423 35
Fuel for locomotives	3,764 76
Water supply for locomotives	474 92
Oil, tallow and waste for locomotives	204 83
Other supplies for locomotives	17 34
Train service	4,674 71
Train supplies and expenses	589 79
Switchmen, flagmen and watchmen	3,446 84
Telegraph expenses	1,790 84
Station service	9,361 61
Station supplies	587 36
Switching charges—balance	27 17
Car mileage—balance	6,519 74
Hire of equipment	3,407 59
Loss and damage	276 16
Injuries to persons	346 74
Advertising	172 64
Outside agencies	2,661 24
Rents for tracks, yards and terminals	220 43
Rent for buildings and other property	1,428 12
Stationery and printing	505 34
Other expenses	188 20
Total	$50,537 20

GENERAL EXPENSES.

Salaries of general officers	$456 05
Salaries of clerks and attendants	549 69
General office expenses and supplies	50 88
Law expenses	5 20
Stationery and printing (general offices)	93 88
Total	$1,155 70

RECAPITULATION OF EXPENSES.

Maintenance of way and structures	$18,726 69
Maintenance of equipment	5,499 86
Conducting transportation	50,537 20
General expenses, including taxes	1,155 70
Total operating expenses and taxes	$75,919 45
Operating expenses and taxes per mile of road	$1,932 28
Operating expenses and taxes per train mile run, for trains earning revenue	86
Total proportion of expenses and taxes for Michigan	$48,403 72
Percentage of expenses to earnings	114

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From South Bend, Indiana, to St. Joseph, Michigan, August 4, 1890.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Indiana State Line to St. Joseph, Michigan	25.05	
In Indiana, from Michigan State Line to South Bend, Indiana	14.24	
Total length completed	39.29	
Total length of road belonging to this company		39.29
Total length of road belonging to this company in Michigan	25.05	
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated	4.35	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		29.40

Gauge of track, 4 feet 8½ inches.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden trestles	25	1,966
Total	25	1,966

Crossings—railroad and highway.

What railroads cross your road either over or under your grade in this State, and where?
Over:
Michigan Central R. R., at Galien, Michigan.

Number of crossings of highways at grade in this State	24
Numbers of crossings of highways over or under railroad: (over 4)	4
Number of highway bridges 18 feet above the track	4

Have safety guards been erected at overhead obstructions?
At M. C. crossing.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Not all.

How are they treated?
By wooden blocking placed between rails.

Stations.

Number of stations on whole lines	10
Same in Michigan	6

Employés.

Number of persons regularly employed on all roads operated by company, including officials (in Michigan)	58

Classify your employés as per following list:	Number.
Baggagemen	2
Brakemen	4
Conductors	3
Engineers	4
Firemen	4
Laborers	18
Shopmen	8
Yardmen	5
Others	11

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	45.05
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed: In Berrien Co.	5.05

5.05 miles not fenced, account of agreement with land owners, or account of being through towns or yards.

Road bed and track.

Number of track sections in Michigan	5
Average length of sections, miles	5
Average number of men in each section gang	8
Number of new ties put in track in Michigan	8,082
Average number of new ties per mile of road	5,050
New rails put in track	202

MILEAGE TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	59,995	38,249
Miles run by freight trains during the year	27,909	17,786
Total mileage of trains earning revenue	87,904	56,035

Passenger traffic.—Entire lines.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	3,137		
Number of local passengers carried, earning revenue	27,565		
Total number of passengers carried, earning revenue	30,702		
Number of passengers carried one mile	792,057		
Average distance carried		26	
Average amount received from each passenger			$0 53
Average receipts per mile for through passengers			01.96
Average receipts per mile for local passengers			02.09
Average receipts per passenger per mile for all passengers			02.07
Estimated cost of carrying each passenger one mile			04.68

Passenger traffic.—In State of Michigan.

	Number.	Miles.	Rate.
Number of through passengers carried, earning revenue	2,038		
Number of local passengers carried, earning revenue	17,940		
Total number of passengers carried, earning revenue	19,978		
Number of passengers carried one mile	519,437		
Average distance carried		26	
Average amount received from each passenger			$0 54
Average receipts per mile for through passengers			01.96
Average receipts per mile for local passengers			02.09
Average receipts per passenger per mile for all passengers			02.07
Estimate cost of carrying each passenger one mile			04.68

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate
Number of tons of through freight carried, earning revenue	75 917		
Number of tons of local freight carried, earning revenue	43,479		
Total tons of freight carried, earning revenue	119,396		
Total mileage of through freight		2,771,674	
Total mileage of local freight		1,578,245	
Total freight mileage or tons carried one mile		4,349,919	
Average ton haul for through freight		36.51	
Average ton haul for local freight		36.59	
Average ton haul for all freight		36.43	
Average amount received for each ton haul			$0.88
Average receipts ton per mile, for through freight			01.3
Average ton receipts per mile, for local freight			01.5
Average receipts ton per mile, for all freight			01.4
Estimated cost of carrying one ton one mile			00.89

Freight traffic.—In State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	47,123		
Number of tons of local freight carried, earning revenue	26,970		
Total tons of freight carried, earning revenue	74,093		
Total mileage of through freight		1,695,118	
Total mileage of local freight		972,238	
Total freight mileage or tons carried one mile		2,667,356	
Average ton haul for through freight		36	
Average ton haul for local freight		36	
Average ton haul for all freight		36	
Average amount received for each ton haul			$0.37
Average receipts ton per mile, for through freight			01.3
Average receipts ton per mile, for local freight			01.5
Average receipts ton per mile, for all freight			01.4
Estimated cost of carrying one ton one mile			00.89

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	650	420	1,070	.90
Flour	6,875	4,806	11,681	9.78
Other mill products	673	3,003	3,676	3.08
Hay	127		127	.11
Fruit and vegetables	9,715		9,715	8.14
Potatoes	407		407	.34
Products of animals:				
Live stock	82		82	.07
Other packing house products	65		65	.05
Poultry, game and fish	12		12	.01
Wool	125		125	.10
Hides and leather		570	570	.48
Products of mines:				
Anthracite coal		142	142	.12
Bituminous coal		14,561	14,561	12.20
Coke		42	42	.04
Ores		48	48	.04
Stone, sand, and other like articles	1,300	506	1,806	1.51
Products of forest:				
Lumber	4,500	36,359	40,859	34.22
Logs	3,540	6,061	9,601	8.04
Manufactures:				
Petroleum and other oils		86	86	.08
Iron, pig and bloom		3,062	3,062	2.56
Iron and steel rails		135	135	.11
Other castings and machinery		358	358	.30
Bar and sheet metal		597	597	.50
Cement, brick and lime	817		817	.68
Agricultural implements	385	308	693	.58
Wagons, carriages, tools, etc.	557	410	967	.81
Wines, liquors and beers		267	267	.22
Household goods and furniture	1,389		1,389	1.16
Merchandise	4,150	3,003	7,153	5.99
Miscellaneous:				
Other commodities not mentioned above	8,109	1,172	9,281	7.78
Total tonnage	43,479	75,917	119,396	100

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	600	42	642	.87
Flour	5,000	2,500	7,500	10.12
Hay	127		127	.17
Fruit and vegetables	6,715		6,715	9.06
Potatoes	207		207	.28
Products of animals:				
Poultry, game and fish	13		13	.02
Wool	125		125	.17
Products of mines:				
Stone, sand and other like articles	806		806	1.09
Products of forest:				
Lumber	3,458	27,042	40,500	54.66
Logs	3,540	3,015	6,555	8.85
Manufactures:				
Other castings and machinery		300	300	.40
Bar and sheet metal		97	97	.13
Cement, brick and lime	420		420	.57
Agricultural implements	83	500	583	.79
Wagons, carriages, tools, etc.	450	215	665	.90
Wines, liquors and beers		67	67	.09
Household goods and furniture	880		880	1.19
Merchandise	3,985	3,045	7,030	9.48
Miscellaneous:				
Other commodities not mentioned above	561	300	861	1.16
Total tonnage	26,970	47,123	74,093	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

Adams Express Company, at 47½ per cent of gross receipts. The kind of business done is merchandise usually carried by express companies. Freights received at stations.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

117.87 miles. Western Union Telegraph Co.

STATE OF INDIANA, } ss.
COUNTY OF VIGO, }

James J. Turner, vice president, and George E. Farrington, secretary of the Terre Haute & Indianapolis Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

J. J. TURNER, *Vice President,*
GEO. E. FARRINGTON, *Secretary.*

Subscribed and sworn to before me this 30th day of March, A. D. 1896.

[L. S.]

HORACE M. SMITH,
Notary Public.

ANNUAL REPORT

OF THE

INDIANA & LAKE MICHIGAN RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed April 2, 1896.]

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES.

President, J. J. TURNER, Terre Haute, Ind.
Secretary, GEO. E. FARRINGTON, Terre Haute, Ind.
Treasurer, GEO. E. FARRINGTON, Terre Haute, Ind.
General Manager, J. J. TURNER, Terre Haute, Ind.

DIRECTORS.

WM. R. MCKEEN, Terre Haute, Ind.
JAMES MCCREA, Pittsburgh, Pa.
JNO. E. DAVIDSON, Pittsburgh, Pa.
J. J. TURNER, Terre Haute, Ind.
GEO. E. FARRINGTON, Terre Haute, Ind.
Terms expire January 13, 1897.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: March 30, 1888.
Number of stockholders at date of last election: 5.
Number of stockholders in Michigan at same date: None.
Amount of full paid stock held in Michigan at same date: None.
Date of annual meeting of stockholders: First Wednesday after second Tuesday in January.
Fiscal year of company ends October 31.
General offices of the company are located at Terre Haute, Ind.

REMARKS.

Indiana & Lake Michigan R'y Co. of Indiana, chartered July 2, 1887; Indiana & Lake Michigan R'y Co of Michigan chartered August 8, 1887, under the laws of the respective States. Said companies were consolidated March 30, 1888, as the Indiana & Lake Michigan Railway Company, whose railway was leased January 6, 1890 to the Terre Haute & Indianapolis Railroad Co. for 99 years, said company guaranteeing principal and interest, first mortgage bonds, $480,000.00, retaining 75% of gross earnings for operating, the 25% thereof to be applied to payment of taxes, interest on bonds and expense maintaining corporate organization, the residue, if any, to be paid to subsidiary company.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$800,000 00
Par value of shares		$100 00	
Average price received per share		100 00	
Number of shares issued	8,000		
Amount paid in on common		$800,000 00	
Total amount paid in as per books of the company			800,000 00
Paid in per mile of road owned by company, 39.29 miles			20,361 41

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage, Sept. 1. 1889	5%	Mar. and Sept.	Cent. Trust Co., New York	$480,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For construction	To be liquidated out of surplus from income	$201,218 49
For miscellaneous		61,260 10
Total unfunded debt		$262,478 59

RECAPITULATION.

Total funded debt	$480,000 00
Total unfunded debt	262,478 59
Total debt liabilities	$742,478 59
Amount of debt liabilities per mile of road, 39.29 miles	18,900 00
Total amount of stock and debt	1,542,478 59
Stock and debt per mile of road	39,261 41

INTEREST ON THE FUNDED DEBT.

What is the amount of same due each year	$24,000 00
Was it paid for the last year? Yes.	

COST OF ROAD AND EQUIPMENT.

Total cost for construction and equipment of road and branches built by company.

Total expended for construction	$1,431,088 44
Average cost per mile of road (not including sidings), 39.29 miles	36,422 46
Proportion of cost of construction for Michigan	1,066,449 62

DESCRIPTON OF ROAD.

Date when the road was opened for use between its present termini:
August 15, 1890.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	25.05	
In other states	14.24	
Total length completed		39.29
Aggregate length of sidings, spurs and other tracks not above enumerated	6.36	
Same in Michigan	4.34	
Aggregate length of tracks belonging to this company, computed as single track		45.65
Same in Michigan	33.62	

Gauge of track, 4 feet 9 inches.

STATE OF INDIANA, }
COUNTY OF VIGO, } ss.

James J. Turner, president, and George E. Farrington, secretary of the Indiana & Lake Michigan Railway Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same declare them to be a true, full and correct statement of the stock, debt and other matters therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed J. J. TURNER, *President.*
GEORGE E. FARRINGTON, *Secretary.*

Subscribed and sworn to before me this 30th day of March, A. D. 1896.

HORACE M. SMITH,
Notary Public.

ANNUAL REPORT

OF THE

IRON RANGE & HURON BAY RAILROAD COMPANY,

For the year ending December 31, 1896.

[Filed March 31, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, ALBERT L. STEPHENS, Detroit, Mich.
Vice President, FREMONT WOODRUFF, Detroit, Mich.
Secretary, DAVID R. PIERCE, 210 Larned street west.
Treasurer, THEO. D. BUHL, Detroit, Mich.
Attorney, H. E. BOYNTON, Detroit, Mich.

DIRECTORS.

ALBERT L. STEPHENS, 3 Moffat Block, Detroit Mich.
THEO. D. BUHL, Buhl Sons & Co., Detroit, Mich.
HENRY STEPHENS, Telephone Building, Detroit, Mich.
WM. H. STEVENS, 44 Moffat Block, Detroit, Mich.
J. M. THURBER, Buhl Sons & Co., Detroit, Mich.
FREMONT WOODRUFF, 44 Moffat Block, Detroit, Mich.
WM. T. DE GRAFF, Detroit National Bank, Detroit, Mich.
Term expires February, 1897.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: June 30, 1890.
Number of stockholders at date of last election: 10.
Number of stockholders in Michigan at same date: 10.
Amount of full paid stock held in Michigan at same date: $814,000.
Date of annual meeting of stockholders: First Wednesday in February.
Fiscal year of company ends: January 31.
General offices of the company are located at 210 Larned street west, Detroit, Mich.

REMARKS.

Road not finished, and was never operated.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$1,000,000 00
Par value of shares		$100 00		
Number of shares issued	7,640		$764,000 00	
Amount paid in on common			814,000 00	
Amount paid in on shares not issued (number)	500		50,000 00	
Total amount paid in as per books of the company	8,140			814,000 00
Paid in per mile of road owned by company, 34 miles				23,941 00

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
Mortgage bonds, Nov. 18, 1893 (50 years, semi-annual interest payable in gold, $1,000 each)	5%	Jan. 1, 1894	New York City	$370,000 00
Interest unpaid to Jan. 1, 1896:				
321 bonds, $105.84 each				33,974 64
49 bonds, 75.00 each				3,675 00
Total funded debt				$407,649 64

UNFUNDED DEBT.

For miscellaneous	$22,302 44

RECAPITULATION.

Total funded debt	$407,649 64
Total unfunded debt	22,302 44
Total debt liabilities	$429,952 08
Amount of debt liabilities per mile of road, 34 miles	$12,645 65
Total amount of stock and debt	1,243 952 08
Stock and debt per mile of road	36,586 53

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$1,187,875 95
Average cost per mile of road, not including sidings, 34 miles	34,937 53

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.
In Michigan, from Huron Bay to Champion Iron Mine	34

If north of parallel 44 of latitude:
Between latitude 46 and 47.

Give date road commenced to be built:
September, 1890.

Give date road completed:
Not completed.

Give date road commenced to be operated:
Never operated.

Where built from and to:
Huron Bay to Champion Iron Mine.

Give exact number of miles:
34.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	23	5,228½

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 20 tons weight, exclusive of tender	2	$25,000 00
Number of platform cars (36 ft. long, low platform)	20	9,540 00
Other cars as follows:		
6 hand cars, $270; 4 push cars, $100; 2 iron laying cars, $140		510 00
Total	22	$35,050 00
Number of locomotives equipped with power brakes	2	$25,000 00
Number of freight cars equipped with power brakes	20	9,540 00

What patterns of power brakes have you in use, and number of locomotives and cars with each?

Westinghouse air brake, automatic.

STATE OF MICHIGAN }
COUNTY OF WAYNE, } ss.

David R. Pierce, the secretary of the Iron Range & Huron Bay Railroad Company, being duly sworn deposes and says that he has personally prepared the foregoing statements, and declares them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. OF R. R.] Signed

DAVID R. PIERCE.

Subscribed and sworn to before me this 30th day of March, A. D. 1896.

RUFUS G. LATHROP,
Notary Public, Wayne County, Mich.

ANNUAL REPORT

OF THE

LAKE SHORE & MICHIGAN SOUTHERN RAILWAY CO.,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, D. W. CALDWELL, Cleveland, Ohio.
Vice President, EDWIN D. WORCESTER, New York, N. Y.
Secretary, EDWIN D. WORCESTER, New York, N. Y.
Auditor, R. H. HILL, Cleveland, Ohio.
Treasurer, EDWIN D. WORCESTER, New York, N. Y.
General Manager, W. H. CANNIFF, Cleveland, Ohio.
General Superintendent, P. S. BLODGETT, Cleveland, Ohio.
Division Superintendents:
T. W. NILES, Supt. Eastern Division, Buffalo, N. Y.
J. K. RUSSELL, Supt. Toledo Division, Cleveland, Ohio.
L. E. JOHNSON, Supt. Michigan, Division, Toledo, Ohio.
A. B. NEWELL, Supt. Western Division, Chicago, Ill.
A. H. SMITH, Supt. Franklin Division, Youngstown, Ohio.
S. S. HAND, Supt. Detroit Division, Detroit, Mich.
H. A. WORCESTER, Supt. Lansing Division, Hillsdale, Mich.
A. G. AMSDEN, Supt. Kalamazoo Division, Grand Rapids, Mich.
Chief Engineer, E. A. HANDY, Cleveland, Ohio.
Superintendent of Telegraph, WM. KLINE, Toledo, Ohio.
Local Treasurer, N. BARTLETT, Cleveland. Ohio.
General Passenger Agent, A. J. SMITH, Cleveland, Ohio.
General Traffic Manager, G. J. GRAMMER, Cleveland, Ohio.
General Counsel, GEO. C. GREENE, Cleveland, Ohio.

DIRECTORS.

C. VANDERBILT, New York, N. Y.
D. O. MILLS, New York, N. Y.
JAMES H. REED, Pittsburgh, Pa,
Terms expire May, 1896.
SAMUEL F. BARGER, New York, N. Y.
W. K. VANDERBILT, New York, N. Y.
H. MCK. TWOMBLY, New York, N. Y.
C. M. REED, Erie, Pa.
Terms expire May, 1897.
F. W. VANDERBILT, New York, N. Y.
D. W. CALDWELL, Cleveland, Ohio.
C. M. DEPEW, New York. N. Y.
JOHN DEKOVEN, Chicago, Ill.
E. D. WORCESTER. New York, N. Y.
Terms expire May, 1898.

One vacancy, caused by the death of Rasselas Brown, August 23, 1895.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: 1846.
Number of stockholders at date of last election: 3,788.
Number of stockholders in Michigan at same date: 31.
Amount of full paid stock held in Michigan at same date: (2,559½ shares), $255,950.00.
Date of annual meeting of stockholders: first Wednesday in May.
Fiscal year of company ends December 31.
General offices of the company are located at Cleveland Ohio.

REMARKS.

Address all correspondence regarding this report to

R. H. HILL, Auditor,
Cleveland, Ohio.

GENERAL EXHIBIT.

		Debit.	Credit.
Total earnings from operation			$21,016,085 05
Total expenses, including taxes		$14,568,219 71	
Net income			96,447,815 34
Interest on funded debt	$3,134,370 00		
Interest on guaranteed stock	53,350 00		
Rentals of leased lines	644,759 35		
		3,833,479 35	
Balance applicable to dividends			2,615,335 99
Dividends declared (6 per cent)		$2,967,990 00	
Balance for the year		352,654 01	
Balance (profit and loss) last year			11,284,805 00
Items not included in above as follows:			
Interest and dividends on assets		412,978 96	
Accounts written off		257,644 92	
Balance forwarded to next year			11,637,485 03

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$50,000,000 00
Par value of shares		$100 00		
Number of shares issued	500,000			
Amount paid in on common			$49,466,500 00	
Amount paid in on guaranteed			533,500 00	
Total amount paid in, as per books of the company				50,000,000 00
Paid in per mile of road owned by company, 859.15 miles				$58,197 06

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.*

Date of issue.	Name and Character.	Miles included in mortga .	When due.	Amount outstanding.	Rate of interest and when payable.
July 1, 1870	Lake Shore & Michigan Southern—consolidated first mortgage	859	July, 1, 1900	$14,640,000	7% Reg'd Jan., Apr., July and Oct. Coupon Jan. and July.
April 1, 1869	Lake Shore Railway—dividend bonds	258	April 1, 1899	1,355,000	7% April and October.
April 1, 1868	Buffalo & Erie—mortgage	88	April 1, 1898	2,755,000	7% April and October.
	Total amount outstanding of the first general mortgage of $25,000.00			$18,750,000	
Dec. 1, 1873	Lake Shore & Michigan Southern—consolidated second general mortgage	859	Dec. 1, 1903	24,692,000	7% June and December.
	Total funded debt—Lake Shore & Michigan Southern Railway Company proper			$43,442,000	

Debt of proprietary roads (owned wholly by Lake Shore & Michigan Southern Railway Company.)

Date of issue.	Name and character.	Miles included in mortgage.	When due.	Amount outstanding.	Rate of interest and when payable.
Aug. 1, 1876	Detroit, Monroe & Toledo—first mortgage, principal and interest guaranteed by L. S. & M. S.	63	Aug. 1, 1906	$924,000	7% February and August.
Jan. 1, 1890	Kalamazoo & White Pigeon—first mortgage principal and interest guaranteed by L. S. & M. S.	37	Jan. 1, 1940	400,000	5% January and July.
	Grand total			$44,766,000	

* New York office, room 47, Grand Central Station, New York. New York office transfers stock, pays dividends, pays coupon interest on bonds. Union Trust Co., of New York, Registrar of stock, transfers registered bonds, pays interest on registered bonds.

RECAPITULATION.

Total debt liabilities	$44,766,000 00
Amount of debt liabilities per mile of road, 1,126.05 miles	39,754 89
Total amount of stock and debt	94,766,000 00
Stock and debt per mile of road { 859.15 miles, stock, $58,197.06 / 1,126.85 miles, debt $39,754.89 }	97,951 95

GENERAL BALANCE SHEET—Dr.

Construction account	$66,000,000 00	
Equipment account	17,000,000 00	
		$84,000,000 00
Other investments:		
Detroit, Monroe & Toledo	$1,281,600 00	
Kalamazoo & White Pigeon	610,000 00	
Northern Central Michigan	1,357,000 00	
Detroit & Chicago	942,850 04	
Silver Creek & Dunkirk	484,201 72	
Jamestown & Franklin	2,123,281 20	
Stock of other companies	12,905,544 77	
		19,894,477 73
Cash items:		
Cash	$2,648,848 61	
Due from agents	238,654 41	
		2,887,503 02
Other assets:		
Materials and supplies		821,627 21
Debit balances from companies and individuals		1,200,761 90
General office property and other real estate		451,007 59
Total		$109,165,377 55

GENERAL BALANCE SHEET—Cr.

Capital stock		$50,000,000 00
Funded debt		44,766,000 00
Unfunded debt:		
Dividends unpaid, paid February 1, 1896	$1,526,095 70	
Vouchers and accounts, paid in January, 1896	1,235,796 82	
		2,761,892 52
Profit and loss or income accounts		11,637,485 03
Total		$109,165,377 55

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$84,000,000 00
Average cost per mile of road (not including sidings) 859.15 miles	97,771 06
Proportion of cost for Michigan	18,312,517 66

PURCHASED BY PRESENT COMPANY.

No change since last report.

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

Items of cost under these heads are charged to operating expenses direct.

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

	Local fares.	Through fares.	Total passenger fares.	Express and baggage.	Mails.	Other sources.	Total.	Per train mile.	Per mile of road.
Main line and branches	$259,521 42	$40,520 16	$300,041 58	$138,832 27	$281,601 64		$720,475 49		$3,846 64
Leased or proprietary roads:									
Detroit, Monroe & Toledo	99,531 66	485 80	100,017 46	10,309 44	9,122 78		119,449 68		2,184 88
Kalamazoo, Allegan & Grand Rapids	51,336 19	605 89	51,942 08	4,175 23	7,993 88		64,111 19		1,097 42
Kalamazoo & White Pigeon	32,137 28	379 30	32,516 58	2,613 77	5,004 30		40,124 65		1,097 47
Northern Central Michigan	41,180 59	57 99	41,238 58	1,822 15	3,486 52		46,547 25		761 32
Fort Wayne & Jackson	37,433 16	56 44	37,489 60	2,544 76	4,200 80		44,235 16		993 11
Detroit, Hillsdale & Southwestern	18,356 53	19 40	18,375 93	1,544 09	4,018 03		23,938 05		367 15
Detroit and Chicago	11,697 17	8 04	11,705 21	970 51	3,497 81		16,173 53		280 55
Sturgis, Goshen & St. Louis	2,331 53	56	2,332 09	156 97	533 97		3,023 03		286 55
Total passenger department earnings	$553,525 53	$42,133 58	$595,659 11	$162,969 19	$319,459 73		$1,078,088 03	$1 31	$1,871 55

FREIGHT EARNINGS.

	Local traffic.	Through traffic.	Total traffic.	Other sources, freight department.	Total.	Per train mile.	Per mile of road.
Main line and branches	$478,913 07		$478,913 07	$485 03	$479,498 10		$2,560 05
Leased or proprietary roads:							
Detroit, Monroe & Toledo	396,510 15	$15,470 21	411,980 36	6,959 98	418,940 34		7,663 98
Kalamazoo, Allegan & Grand Rapids	47,573 64	27,028 75	74,602 39	1,341 29	75,943 68		1,299 96
Kalamazoo & White Pigeon	54,017 60		54,017 60	2,011 94	56,029 54		1,533 12
Northern Central Michigan	49,753 77	5,849 95	55,603 72	1,696 99	57,300 71		937 20
Fort Wayne & Jackson	39,090 39	4,411 78	43,502 17	1,283 51	44,785 68		1,005 47
Detroit, Hillsdale & Southwestern	14,408 83	1,582 58	15,991 41	31 46	16,022 87		245 75
Detroit & Chicago	25,531 46		25,531 46	7 36	25,538 82		443 00
Sturgis, Goshen & St. Louis	2,183 46		2,183 46	22 00	2,205 46		209 05
Total freight department earnings	$1,107,982 37	$54,343 27	$1,162,325 64	$13,839 56	$1,176,265 20	$1 38	$2,041 99

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

	Local fares.	Through fares.	Total passenger fares.	Express and baggage.	Mails.	Other sources.	Total.	Per train Mile.	Per mile of road.
Main line and branches	$3,179,922 94	$395,913 61	$4,075,836 55	$636,845 28	$1,291,736 92	.....	$6,004,418 75	.....	$6,988 78
Leased or proprietary roads:									
Mahoning Coal	22,631 91	11,296 16	33,928 07	5,942 40	3,814 97	.....	43,685 44	.....	870 22
Jamestown & Franklin	41,333 61	208 03	41,541 64	2,625 73	5,841 02	.....	50,008 39	.....	962 29
Detroit, Monroe & Toledo	113,433 45	650 57	114,084 02	11,759 37	10,405 82	.....	136,249 21	.....	2,184 88
Kalamazoo, Allegan & Grand Rapids	50,932 93	1,009 15	51,942 08	4,175 23	7,993 88	.....	64,111 19	.....	1,097 42
Kalamazoo & White Pigeon	31,884 84	631 74	32,516 58	2,613 77	5,004 20	.....	40,134 65	.....	1,097 47
Northern Central Michigan	41,163 14	75 44	41,238 58	1,823 15	3,486 52	.....	46 547 25	.....	761 23
Fort Wayne & Jackson	82,177 47	162 96	82,340 43	5,589 31	9,226 45	.....	97,156 09	.....	993 11
Detroit, Hillsdale & Southwestern	18,349 74	26 19	18,375 93	1,544 09	4,018 03	.....	23,938 05	.....	367 15
Detroit & Chicago	12,640 68	10 87	12,651 55	1,048 97	3,780 60	.....	17,481 12	.....	280 55
Sturgis, Goshen & St. Louis	7,914 91	1 23	7,916 14	533 81	1,812 52	.....	10,261 47	.....	286 55
Total passenger department earnings	$3,603,385 62	$909,985 95	$4,513,371 57	$674,499 01	$1,347,121 03	.....	$6,533,991 61	$1 45	$4,537 81

FREIGHT EARNINGS.

	Local traffic.	Through traffic.	Total traffic.	Other sources, freight department.	Total.	Per train mile.	Per mile of road.
Main line and branches	$8,996,557 20	$3,321,495 46	$12,318,052 66	$239,442 34	$12,557,495 00	.....	$14,616 18
Leased or proprietary roads:							
Mahoning Coal R. R.	651,835 56	.....	651,835 56	1,560 37	653,395 93	.....	13,015 86
Jamestown & Franklin	128,181 39	.....	128,181 39	1,740 68	129,922 07	.....	2,552 00
Detroit Monroe & Toledo	377,826 59	93,073 97	470,900 56	6,959 98	477,860 54	.....	7,662 93
Kalamazoo, Allegan & Grand Rapids	13,476 16	61,126 23	74,602 39	1,341 29	75,943 68	.....	1,299 96
Kalamazoo & White Pigeon	54,017 60	.....	54,017 60	2,011 94	56,029 54	.....	1,532 12
Northern Central Michigan	39,785 40	15,818 32	55,603 72	1,696 99	57,300 71	.....	937 20
Fort Wayne & Jackson	80,301 50	16,780 21	97,081 71	1,283 51	98,365 22	.....	1,005 47
Detroit, Hillsdale & South Western	10,768 05	5,223 32	15,991 41	31 46	16,022 87	.....	245 75
Detroit & Chicago	27,596 21	.....	27,596 21	7 36	27,603 57	.....	443 00
Sturgis, Goshen & St. Louis	7,464 27	.....	7,464 27	22 00	7,486 27	.....	209 05
Total freight department earnings	$10,386,809 97	$3,514,517 51	$13,901,327 48	$256,097 92	$14,157,425 40	$1 82	$9,832 23

Total transportation earnings, entire line		$20,691,417 01
Transportation earnings per mile of road, 1,439.9 miles	$14,370 04	
Transportation earnings per train mile	1 68	
Miscellaneous receipts from operating account, other than for transportation:		
From rents of tracks, yards and terminals, etc., etc	302,697 83	
From other sources	21,920 21	
Total		324,618 04
Total earnings from operation of road		21,016,035 05
Total earnings per mile of road (1,439.9 miles)	$14,595 48	
Total earnings per train mile	1 71	
Income other than from earnings:		
Interest and dividends on assets		412,978 96
Total income from all sources		$21,429,014 01
Proportion of income for Michigan		2,223,731 75

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$1,042,815 89
Renewals of rails	151,745 60
Renewals of ties	229,294 91
Repairs and renewals of bridges and culverts	172,075 36
Repairs and renewals of fences, road crossings, signs and cattle guards	77,207 56
Repairs and renewals of buildings and fixtures	224,143 67
Repairs and renewals of docks and wharves	100,449 75
Repairs and renewals of telegraph	4,761 66
Stationery and printing	7,705 99
Other expenses	674 05
Total	$2,010,974 44

MAINTENANCE OF EQUIPMENT.

Superintendence	$141,250 75
Repairs and renewals of locomotives	965,289 91
Repairs and renewals of passenger cars	240,700 15
Repairs and renewals of freight cars	2,087,753 84
Repairs and renewals of work cars	19,771 66
Repairs and renewal of marine equipment	1,818 84
Repairs and renewals of shop machinery and tools	31,791 41
Stationery and printing	6,820 67
Other expenses	41,202 51
Total	$3,536,054 74

CONDUCTING TRANSPORTATION.

Superintendence	$251,551 62
Engine and roundhouse men	1,308,179 86
Fuel for locomotives	1,060,248 91
Water supply for locomotives	56,878 02
Oil, tallow and waste for locomotives	87,052 93
Other supplies for locomotives	13,218 07
Train service	889,271 61
Train supplies and expenses	140,860 65
Switchmen, flagmen and watchmen	893,799 18
Telegraph expenses	328,197 10
Station service	1,306,715 24
Station supplies	79,138 43
Switching charges—balance	198,683 41
Car mileage—balance	494,285 47
Loss and damage	85,254 75
Injuries to persons	223,744 00
Clearing wrecks	10,717 25
Advertising	23,050 24
Outside agencies	271,438 56
Commissions	1,490 41
Stock yards and elevators	17,974 28
Rents for tracks, yards and terminals	217,717 13
Rent of buildings and other property	4,106 45
Stationery and printing	132,254 72
Other expenses	3,659 62
Total	$8,051,682 45

GENERAL EXPENSES.

Salaries of general officers	$78,359 83
Salaries of clerks and attendants	125,585 54
General office expenses and supplies	9,821 49
Insurance	2,756 08
Law expenses	74,600 60
Stationery and printing (general offices)	8,699 29
Other expenses	20,238 50
Taxes	649,946 75
Total	$969,508 08

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	13.80	$2,010,974 44
Maintenance of equipment	24.27	3,536,054 74
Conducting transportation	55.27	8,051,682 45
General expenses, including taxes	6.66	969,508 08
Total operating expenses and taxes	100.00	$14,568,219 71
Operating expenses and taxes per mile of road (1,439.9)	$10,117 52	
Operating expenses and taxes per train mile run, for trains earning revenue, 12,283,524 miles	1 19	

PROPORTION OF OPERATING EXPENSES AND TAXES FOR MICHIGAN.

Main line and branches	$1 220,225 24
Leased and proprietary roads:	
Detroit, Monroe & Toledo	366,105 20
Detroit & Chicago	48,803 44
Detroit, Hillsdale & Southwestern	41,712 35
Fort Wayne & Jackson	78,802 41
Northern Central Michigan	79,442 72
Kalamazoo & White Pigeon	74,376 28
Kalamazoo, Allegan & Grand Rapids	108,542 62
Sturgis, Goshen & St. Louis	6,971 32
Total proportion of expenses for Michigan	$2,024,982 58
Percentage of expenses to earnings, entire line	69.32
Net earnings per mile of road, entire line	$4,477 96
Net earnings per train mile, entire line	52.5

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.
In Michigan, from state line Ohio and Michigan to state line Michigan and Indiana	115.95
In New York, from Buffalo to state line New York and Pennsylvania	69.50
In Pennsylvania, from state line New York and Pennsylvania to state line Pennsylvania and Ohio	44.06
In Ohio, from state line Pennsylvania and Ohio to state line Ohio and Michigan	195.01
In Indiana, from state line, Michigan and Indiana to state line Indiana and Illinois	101.95
In Illinois, from state line Indiana and Illinois to Chicago	14.02
Total length completed	540.49
Length of double track on main line, 314.79: on branches, 184.51	499.30
Length of third track on main line	9.63

BRANCHES.

	Miles.	
Sandusky, from Elyria Junction to Millbury Junction, via Sandusky	72.95	
Sandusky Pier, from Sandusky Junction to old depot, Sandusky	3.72	
Air Line, from Air Line Junction to Elkhart	120.83	
Jackson, from Lenawee Junction to Jackson	41.98	
Monroe, from Lenawee Junction to Monroe	29.37	
Ashtabula Harbor, from Ashtabula Harbor to main line crossing	2.33	
Detroit, from Air Line Junction to Detroit	62.36	
Kalamazoo, from White Pigeon to Kalamazoo	36.57	
Lansing, from Jonesville to North Lansing	61.14	
Detroit and Chicago, from Detroit River Junction to Fayette	62.31	
Sturgis, Goshen and St. Louis, from Goshen to Findley	35.81	
Dunkirk, from Junction with D. A. V. & P. R. R. to Dunkirk	1.50	
Ashtabula, from Ashtabula to Jamestown	35.98	
Silver Creek and Dunkirk, from Silver Creek to Dunkirk	8.71	
Total length of branches owned by company		585.56
Total length of branches owned by company in Michigan	291.98	
Total length of road belonging to this company		1,126.05
Total length of road belonging to this company in Michigan	407.88	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated, owned 81.09; on leased lines 21.24.		
Aggregate length of tracks in Michigan belonging to this company, computed as single track, includes sidings on leased lines		510.21

Gauge of track, 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

Name, description and length of each:		Total miles.	In Michigan.
Kalamazoo, Allegan & G. R. R. R., from Kalamazoo to Grand Rapids		58.42	58.42
Detroit, Hillsdale & S. W. R. R., from Ypsilanti to Bankers		65.20	65.20
Fort Wayne & Jackson R. R., from Fort Wayne to Jackson		97.83	44.54
Jamestown & Franklin R. R., from Jamestown to Oil City		50.91	
Mahoning Coal R. R.:			
From Andover to Youngstown	38.31		
From Doughton to state line, Ohio and Pennsylvania	6.05		
From state line Ohio and Pennsylvania to connection at Sharon with N. Y. P. & O	1.95		
From state line Ohio and Pennsylvania to Stewart Mills	0.31		
Branch to No. 9 Coal Bank	2.35		
Branch to Keel Ridge Coal Bank	0.73		
		50.20	
Total		322.56	168.16
Total miles owned and operated by the company, including both lines between Silver Creek and Dunkirk		1,448.61	576 04

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	21	2,691
Stone bridges	2	120
Iron bridges	52	3,026
Wooden trestles	69	10,156
Total	144	15,993

Draw bridges in Michigan.

How many on your line? 2

Where located, when built, and length of draw span:
One at Grand Rapids over Grand River, built in 1893, draw 142 feet 8 inches.
One at West Detroit over Rouge river built in 1887, draw 165 feet.

Character of structure:
Both Pratt Truss.

Material of which constructed:
Both iron.

Height above water and depth of water under bridge:
Grand river, 22 feet, depth 7 feet; Rouge River, 13 feet, depth 16 feet.

How swung, by engine or hand power?
Both hand.

Approaches straight or curved?
Grand river curved, Rogue river straight.

Do you require all trains to come to full stop before crossing a draw, and how are they signaled?
Yes.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?

Name of road.	Location.	Branch or line crossed.
G. R. & I.	Grand Rapids	Kalamazoo.
G. R. & I.	Plainwell	Kalamazoo.
G. R. & I.	Kalamazoo	Kalamazoo.
G. R. & I.	Kalamazoo, M. C. "Y."	Kalamazoo.
G. R. & I.	Sturgis	Goshen & Michigan.
G. R. & I.	Sturgis	Old road.
Michigan Central	Kalamazoo	Kalamazoo.
Michigan Central	Three Rivers	Kalamazoo.
Michigan Central	Eaton Rapids	Lansing.
Michigan Central	Albion	Lansing.
Michigan Central	Homer	Lansing.
Michigan Central	Jackson	Fort Wayne.
Michigan Central	Jackson	Jackson.
Michigan Central	Detroit	Detroit.
Michigan Central	West Detroit	Detroit.
Michigan Central	Monroe	Monroe br. dock track
Wabash	Raisin Centre	Jackson.
Wabash	Delray (between West Detroit and Ecorse)	Detroit.
Wabash	Adrian	Old road.
Ann Arbor	Pittsfield	Ypsilanti.
Ann Arbor	Federman	Monroe.
Ann Arbor	Dundee	Fayette.
C. & W. M.	Grand Rapids	Kalamazoo.
C. & W. M.	Grandville	Kalamazoo.
C. & G. T.	Schoolcraft	Kalamazoo.
C. & G. T.	South Lansing	Lansing.
F. & P. M.	Delray (between West Detroit and Ecorse	Detroit.
F. & P. M.	Carleton	Fayette.
C., J. & M.	Allegan	Kalamazoo.
C., J. & M.	Homer	Lansing.
C., J. & M.	Hanover	Ft. Wayne.
C., J. & M.	Tecumseh	Jackson.
C., K. & S.	Kalamazoo	Kalamazoo.
Lansing Transit	Lansing	Lansing.
C. & K. T.	Kalamazoo	Kalamazoo (Standard Wheel Co's track.
L. S. & M. S.—G. & M. Br.	Sturgis	Old road.
L. S. & M. S.—Jackson Br.	Jackson	Ft. Wayne.
L. S. & M. S.—Ft. Wayne	Ft. Wayne Junct.	Old road.
L. S. & M. S.—Monroe Br.	Monroe, (dock track)	Detroit.
L. L. & M. S.—Monroe Br.	Lenawee Junction	Jackson (connection with old road.)

What railroads cross your road either over or under your grade in this State, and where?
Under:

C., J. & M. R. R. at Hudson and Jerome.

At what crossings are interlocking and derailing switches in operation?

Names of railroad.	Location.	Kind of apparatus.	Name of maker.
C. & W. M.	Grandville	Saxby Farmer	U. S. & S. Co.
C. K. & S.	Kalamazoo	Wheel Machine	Gravit Signal Co.
C. & G. T.	Schoolcraft	Saxby Farmer	U. S. & S. Co.
C. & G. T. and M. C.	South Lansing	Wheel Machine	U. S. & S. Co.
M. C.	Albion	Saxby Farmer	U. S. & S. Co.
M. C. & G. R. & I.	Kalamazoo	Saxby Farmer	U. S & S. Co.
M. C. & C. J. & M.	Homer	Saxby Farmer	U. S. & S. Co.
M. C.	Woodward Ave. W. Detroit	Saxby Farmer	U. S. & S. Co.
M. C.	Woodmere Ave. W. Detroit	Saxby Farmer	U. S. & S. Co.
Wabash	Raisin Center	Saxby Farmer	U. S. & S. Co.
Wabash	Adrian	Saxby Farmer	U. S. & S. Co.
L. S. & M. S., Ft. Wayne Br.	Fort Wayne Junct.	Saxby Farmer	U. S. & S. Co.
F. & P. M. and Wabash	Delray	Saxby Farmer	U. S. & S. Co.

Number of crossings of highways at grade in this State	896
Number of crossings of highways at grade in this State at which there are gates or flagmen	49
Number of crossings at which there are electric or automatic signals	2
What pattern or patterns in use? O'Neil electric alarm.	
Number of crossing of highways over or under railroad (over 5, under 7)	12
Number of highway bridges, 18 ft above track	4
Number of highway bridges, less than 18 feet above track	1

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Wooden and cast iron blocking.

Stations.

Number of stations on whole lines: L. S. 132, M. S. 205	337
Same in Michigan	124

Employés.

Number of persons regularly employed on all roads operated by company, including officials,	12,918
Same in Michigan	1,467

Classify your employés as per following list:	Number.
Baggagemen	212
Brakemen	683
Conductors	336
Engineers	588
Firemen	605
Laborers	2,014
Shopmen	2,122
Yardmen	933
Others	5,420

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	1,152.08

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
None.

Road bed and track.

Number of track sections in Michigan		104
Average lengths of sections, miles	5.69	
Average number of men in each section gang		4
Number of new ties put in whole line during the year		460,648
Number of new ties put in track in Michigan		117,387
Average number of new ties per mile of road, entire line		318
New rails put in track, entire line: Steel tons 9,523.		
Total miles of track laid with new rails	77.32	

Bridges and culverts.—Michigan

Amount of trestle work replaced with earth during the year (linear feet)	1,929

Timber culverts replaced during the year:	Number.
With iron pipe	56
With timber	29

New bridges built during the year—Michigan.

Location—nearest station.	Kind.	Material.	Month built.	Feet in length.
La Salle	Plate girder	Iron	October	13 ft. 4 in.
Rockwood	Plate girder	Iron	December	75 ft. 4 in.
Rockwood	Pratt truss	Iron	October	156 ft.
Hudson	Plate girder	Iron	June	22 ft. 6 in

ROLLING STOCK.—ENTIRE LINE.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	550	$2,567,181 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	26	80,600 00
Total	576	$2,647,781 00
Number of passenger cars—12 wheel, including official cars	63	
Number of passenger cars, 8-wheel, including official cars	264	
Number of express and baggage cars	99	$1,076,613 00
Number of box freight cars	11,219	
Number of stock cars	836	
Number of platform cars	1,873	
Number of ore cars	4,780	4,049,908 00
Number of conductors' way cars	286	96,992 00
Other cars	440	72,480 00
Total	19,860	$7,946,774 00
Number of locomotives equipped with power brakes		576
Number of passenger train cars equipped with power brakes		426
Number of freight cars equipped with power brakes		9,588

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse for cars, and Lander steam driver brake.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes, we are equipping.

What pattern or patterns have you adopted for use?
"Gould."

How are your passenger cars heated?
L. S. & M. S. system of steam heat and Baker.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	4,510,187	824,217
Miles run by freight trains during the year	7,773,337	881,873
Total mileage of trains earning revenue	12,283,524	1,706,090

Passenger traffic.—Entire lines.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	93,955		
Number of local passengers carried, earning revenue	4,533,220		
Total number of passengers carried, earning revenue	4,627,175		
Number of passengers carried one mile	210,966,572		
Average distance carried		46	
Average amount received from each passenger			$0 98
Average receipts per mile for through passengers			02.053
Average receipts per mile for local passengers			02.161
Average receipts per passenger per mile for all passengers			02.139
Estimated cost of carrying each passenger one mile			01.968

Passenger traffic.—In state of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	16,883		
Number of local passengers carried, earning revenue	808,162		
Total number of passengers carried, earning revenue	825,045		
Number of passengers carried one mile	26,717,430		
Average distance carried		32	
Average amount received from each passenger			$0 72
Average receipts per mile for through passengers			02.171
Average receipts per mile for local passengers			02.234
Average receipts per passenger per mile for all passengers			02.229

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	1,975,005		
Number of tons of local freight carried, earning revenue	12,407,636		
Total tons of freight carried, earning revenue	14,382,641		
Total mileage of through freight		727,077,555	
Total mileage of local freight		1,748,679,621	
Total freight mileage or tons carried one mile		2,475,757,176	
Average ton haul for through freight		368.1	
Average ton haul for local freight		140.9	
Average ton haul for all freight		172.1	
Average amount received for each ton haul			$0 96.7
Average receipts ton per mile, for through freight			00.483
Average ton receipts per mile, for local freight			00.594
Average receipts ton per mile, for all freight			00.562
Estimated cost of carrying one ton one mile			00.410

Freight traffic.—In State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	118,911		
Number of tons of local freight carried, earning revenue	2,378,585		
Total tons of freight carried earning revenue	2,497,496		
Total mileage of through freight		10,346,848	
Total mileage of local freight		187,122,780	
Total freight mileage or tons carried one mile		197,469,628	
Average ton haul for through freight		87.0	
Average ton haul for local freight		78.7	
Average ton haul for all freight		79.1	
Average amount received for each ton haul			$0 47.1
Average receipts ton per mile, for through freight			00.525
Average receipts ton per mile, for local freight			00.600
Average receipts ton per mile, for all freight			00.596

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight forwarded from stations in Michigan. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	78,421		1,011,222	7.02
Flour	135,611		467,727	3.25
Other mill products				
Hay				
Tobacco				
Cotton	85,947		452,312	3.15
Fruit and vegetables				
Potatoes				
Products of animals:				
Live stock	26,452		403,961	2.80
Dressed meats				
Other packing house products	13,801		427,922	2.98
Poultry, game and fish				
Products of mines:				
Anthracite coal				
Bituminous coal	4,378		3,993,788	27.77
Coke				
Ores	25		1,554,159	10.81
Stone, sand, and other like articles	80,798		1,440,929	10.02
Salt	24,536		96,317	0.68
Products of forest:				
Lumber				
Logs	257,504		743,914	5.17
Shingles				
Manufactures:				
Petroleum and other oils	4,404		399,520	2.78
Iron, pig and bloom	3,650		260,582	1.81
Iron and steel rails			42,401	0.29
Other castings and machinery	50,648		745,015	5.18
Bar and sheet metal				
Cement, lime and plaster	17,579		173,015	1.20
Manufactures	76,026		472,341	3.28
Merchandise and other articles	105,652		1,697,516	11.80
Total tonnage	959 927		14,382,641	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

American Express Company, Buffalo to Cleveland, pays 30 cents per 100 lbs. for through, and 15 cents to 50 cents per 100 lbs. for way freight.

United States Express Company, Buffalo to Chicago, pays from 20 cents to 35 cents per 100 lbs. on freight.

These companies do a general express business and deliver freight to us at our depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

Total miles wire on entire line		15,368
Miles wire in Michigan owned by railway company	367	
Miles wire in Michigan owned by W. U. T. Co.	1,911	
Miles wire in Michigan owned jointly by W. U. T. Co. and railway company	520	
Miles wire in Michigan owned jointly by Postal T. Co. and railway company	9	
Total miles wire in Michigan		2,807

Transportation Companies.

SLEEPING, DRAWING ROOM AND PALACE CAR COMPANIES.

What sleeping, drawing room, chair or other palace passenger cars, not the exclusive property of your own or some other railroad company, have, during the year, been in use on your road in the State of Michigan, and on what terms? If rented by you, or allowed mileage between local points in this State, what was the amount paid for the use of such cars during the period under report?
Wagner Palace Car Co., New York City.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

Employes.

October 7, Thos. Phinney, brakeman, Albion. Fell between cars.
October 1, Orson C. Adams, conductor, Jonesville. Fell between cars.

Trespassers.—(Not employes.)

January 11, George Bell, not known, Adrian. Struck by train.
May 5, W. H. Thomas, tramp, Sturgis. Stealing ride.
April 20, Clifford Knight, not known, Adrian. Struck by train.
July 20, Wm. Brown, not known, Blissfield. Struck by train.
July 25, Elizabeth Smith, Jonesville. Walking on track.
August 24, Mrs. Lydia Van Dunk, not known, Manchester. Walking on track.
September 11, Alvin C. Hunt, not known, Three Rivers. Struck by train.
October 9, John C. Johnson, farmer, Jackson. Struck by train.
October 9, Mrs. W. H. Hard, Quincy. Struck by train.
November 15, Moses J. Allen, not known, Florence. Struck by train.

At Highway Crossing.—(Not employes.)

July 23, Mrs. David Robinson, Detroit. Struck by engine.
October 27, Mrs. Sarah Knight, Adrian. Struck by train.

INJURED.

Employes.

January 23, Wm. Calkins, brakeman, Monroe. Coupling.
January 30, Wesley B. Dargit, brakeman, Albion. Hand caught between cars.
March 15, Wm. A. O'Neil, brakeman, Constantine. Coupling.
January 24, H. C. Bay, brakeman, Cadmus. Coupling.
January 10, Frank Newton, brakeman, D. & M. Junction. Passing between cars.
June 3, F. J. Frazie, brakeman, Quincy. Coupling.
June 17, John Ott, brakeman, Burr Oak. Coupling.
July 16, Geo. C. Huttenstein, laborer, White Pigeon. Train struck by hand-car.
October 27, Chas. F. Weinman, brakeman, Detroit. Coupling.
November 24, John G. Palmer, brakeman, Lenawee Junction. Coupling.
December 26, Sam'l Armstrong, brakeman, Detroit. Coupling.

Trespassers.—(Not employes.)

March 12, John J. Cox, not known, Albion. Climbing between cars.
April 29, John Hollister, not known, Schoolcraft. Jumped from moving train.
February 14, Joseph H. Webb, not known, Pittsford. Walking on track.
July 9, Florian Bodett, not known, Deerfield. Tried to board train.
October 15, Obed Silverwood, not known, Warner. Tried to make coupling.

At highway crossings.—(Not employes.)

February 2, J. E. Spats, not known, Detroit. Caught between cars.
January 22, Fred Wesch, not known, Detroit. Struck by train.
March 7, Anthony Korte, C. L. Chase, F. C. Goebel, F. W. Wirth, Detroit. Train struck hook and ladder truck.
June 7, Levi Alstine, not known, Portage. Fell off caboose.
June 18, Frank H. Clay, not known, Sturgis. Caboose stopped suddenly; nose fractured; accidental.
January 18, Silas Connelly, not known, Detroit. Ankle dislocated; accidental.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars					9	
Falling from trains		2				
Highway crossings			1			9
Miscellaneous					2	2
Trespassers on trains			2			2
Trespassers on tracks			9			1
Total		2	12		11	14

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	14
Number of persons injured during the year	25
Number of casualties purely accidental	2
Number resulting from lack of caution, carelessness or misconduct	37
Trespassers and tramps killed or injured	15

CLASSIFICATION OF EMPLOYES.

KILLED OR INJURED IN MICHIGAN.

	Killed.	Injured.	Total.
Brakemen	1	10	11
Conductors	1		1
Laborers		1	1
Total	2	11	13

STATE OF OHIO,
COUNTY OF CUYAHOGA, } ss.

P. P. Wright, assistant general manager, and R. H. Hill, auditor, of the Lake Shore & Michigan Southern Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

P. P. WRIGHT,
R. H. HILL.

Subscribed and sworn to before me this 15th day of April, A. D. 1896.

[L. S.]

W. T. SMITH,
Notary Public.

ANNUAL REPORT

OF THE

DETROIT & CHICAGO RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed January 21, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, D. W. CALDWELL, Cleveland, Ohio.
Secretary, O. G. GETZEN-DANNER, Cleveland, Ohio.
Treasurer, O. G. GETZEN-DANNER, Cleveland, Ohio.

DIRECTORS.

D. W. CALDWELL, Cleveland, Ohio.
C. VANDERBILT, New York City.
W. K. VANDERBILT, New York City.
ASHLEY POND, Detroit, Mich.
CHAS. F. COX, New York City.
E. D. WORCESTER, New York City.
SAM'L F. Barger, New York City.
D. W. PARDEE, New York City.
O. G. GETZEN-DANNER, Cleveland, Ohio.
Terms expire when their successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: November 19, 1888.
Number of stockholders at date of last election: 10.
Number of stockholders in Michigan at same date: 1.
Amount of full paid stock held in Michigan at same date. $100.
Date of annual meeting of stockholders: Second Wednesday in November.
Fiscal year of company ends December 31.
General offices of the company are located at Cleveland, Ohio.

REMARKS.

Entire capital stock owned by L. S. & M. S. Ry. Co.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$1,000,000 00
Par value of shares	$100 00		
Average price received per share	100 00		
Number of shares issued	10,000		
Amount paid in on common		$1,000,000 00	
Total amount paid in as per books of the company			1,000,000 00

RECAPITULATION.

Total amount of stock and debt	$1,000,000 00

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY OLD COMPANY.

Total expended for construction	$5,176,557 58
Average cost of construction per mile of road, not included in sidings (67.6 miles)	83,077 48
Proportion of cost of construction for Michigan	4,818,712 07

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	57.65	
Length completed in Ohio	4.66	
Total length completed		62.31
Total length of road belonging to this company		62.31
Total length of road belonging to this company in Michigan	57.61	
Aggregate length of sidings, spurs and other tracks not above enumerated	5.60	
Same in Michigan	5.19	
Aggregate length of tracks belonging to this company, computed as single track		67.91
Same in Michigan	62.84	

Gauge of track, 4 feet, 8½ inches.

STATE OF OHIO, }
COUNTY OF CUYAHOGA, } ss.

D. W. Caldwell, president, and O. G. Getzen-Danner, secretary, of the Detroit & Chicago, Railroad Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed D. W. CALDWELL, *President.*
O. G. GETZEN-DANNER, *Secretary.*

Subscribed and sworn to before me this 17th day of January, A. D. 1896.

[L .S.] W. T. SMITH,
Notary Public.

ANNUAL REPORT

OF THE

DETROIT, HILLSDALE & SOUTHWESTERN RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 20, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, ELIJAH SMITH, Boston, Mass.
Secretary, PROSPER W. SMITH, Boston, Mass.
Treasurer, PROSPER W. SMITH, Boston, Mass.
Transfer Agent, FARMERS' LOAN AND TRUST CO., New York. N. Y.

DIRECTORS.

ELIJAH SMITH, Boston, Mass.
PROSPER W. SMITH, Boston, Mass.
CALEB WM. LORING, Boston, Mass.
EDWARD L. GIDDINGS, Boston, Mass.
GEO. H. EAGER, Boston, Mass.
EDWARD C. PERKINS, Boston, Mass.
FRANK O. SQUIRE, Boston, Mass.
GEO. S. WARREN, Troy, N. Y.
One vacancy.

Terms expire January 14, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: January 30, 1875.
Number of stockholders at date of last election: 237.
Number of stockholders in Michigan at same date: 3.
Amount of full paid stock held in Michigan at same date: $1,700.
Date of annual meeting of stockholders: Second Tuesday in January.
Fiscal year of company ends January 1.
General offices of the company are located at Ypsilanti, Mich.

REMARKS.

The property of the Detroit, Hillsdale & Southwestern Railroad Company is leased in perpetuity to the Lake Shore & Michigan Southern Railway Company; lease is dated September 5, 1881; the terms are $40,500 per annum until July 1, 1883 and $54,000 per annum thereafter, payable semi-annually on January 1 and July 1; the lessee also pays $500 per annum for organization expenses.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$1,350,000 00
Par value of shares	$100 00		
Average price received per share	100 00		
Number of shares issued	13,500		
Amount paid in on common		$1,350,000 00	
Total amount paid in, as per books of the company			1,350,000 00
Paid in per mile or road owned by company			20,705 52

ANALYSIS OF DEBT ACCOUNTS.

RECAPITULATION.

Total amount of stock and debt	$1,350,000 00
Stock and debt per mile of road	20,705 52

COST OF ROAD AND EQUIPMENT.

Total cost for construction and equipment of road and branches built by company.

Total expended for construction	$1,292,204 51
Average cost of construction per mile of road (not including sidings) 65 20-100 miles	19,819 09
Proportion of cost of construction for Michigan	19,819 09
Total expended for equipment	53,511 74
Average cost of equipment per mile (65.20)	820 73
Proportion of cost of equipment for Michigan	820 73

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini: November, 1872.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	65.20	
Total length of road belonging to this company		65.20
Total length of road belonging to this company in Michigan	65.20	
Aggregate length of sidings, spurs and other tracks not above enumerated		4.29
Same in Michigan	4.20	
Aggregate length of tracks belonging to this company computed as single track		69.49
Same in Michigan		69.49

Gauge of track, 4 feet 8½ inches.

STATE OF MASSACHUSETTS, }
COUNTY OF SUFFOLK. } ss.

Prosper W. Smith, secretary of the Detroit, Hillsdale & Southwestern Railroad Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. OF R. R.] Signed,

PROSPER W. SMITH, *Secretary.*

Subscribed and sworn to before me this 28th day of January, A. D. 1896.

[L. S.] PERCY G. BOLSTER, *Notary Public.*

ANNUAL REPORT

OF THE

DETROIT, MONROE & TOLEDO RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed January 21, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, D. W. CALDWELL, Cleveland, Ohio.
Secretary, O. G. GETZEN-DANNER, Cleveland, Ohio.
Treasurer, O. G. GETZEN-DANNER, Cleveland, Ohio.

DIRECTORS.

C. VANDERBILT, New York, N. Y.
W. K. VANDERBILT, New York, N. Y.
D. W. CALDWELL, Cleveland, Ohio.
E. D. WORCESTER, New York, N. Y.
D. W. PARDEE, New York, N. Y.
ASHLEY POND, Detroit, Mich.
GEO. C. GREENE, Cleveland, Ohio,
P. P. WRIGHT, Cleveland, Ohio.
ADDISON HILLS, Cleveland, Ohio.
E. D. POTTER, JR., Toledo, Ohio.
O. G. GETZEN-DANNER, Cleveland, Ohio.

Terms expire when their successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: March 6, 1885.
Number of stockholders at date of last election: 13.
Number of stockholders in Michigan at same date: 1.
Amount of full paid stock held in Michigan at same date: $100.00.
Date of annual meeting of stockholders: Fourth Tuesday in April.
Fiscal year of company ends December 31.
General offices of the company are located at Cleveland, Ohio.

REMARKS.

Entire capital stock except one share owned by L. S. & M. S. Ry. Co.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association		$414,100 00
Par value of shares	$100 00	
Number of shares issued	4,141	
Total amount paid in, as per books of the company		$414,100 00
Paid in per mile of road owned by company		6,640 47

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage bonds	7%	1906		$924,000 00

RECAPITULATION.

Total debt liabilities	$924,000 00
Amount of debt liabilities per mile of road	14,882 22
Total amount of stock and debt	1,338,100 00
Stock and debt per mile of road	21,457 66

INTEREST ON THE FUNDED DEBT.

What is the amount of same due each year	$64,680 00
Was in paid for the last year? Yes.	

COST OF ROAD AND EQUIPMENT.

Total expended for construction	$1,331,600 00
Average cost of construction per mile of road (not including sidings) 62.36 miles	22,155 22
Proportion of cost of construction for Michigan	1,196,381 88

DISCRIPTION OF ROAD.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	54.67	
Length completed in Ohio	7.69	
Total length completed		62.36
Length of double track on main line		3.45
Total length of road belonging to this company		62.36
Total length of road belonging to this company in Michigan	54.67	
Aggregate length of sidings, spurs and other tracks not above enumerated		25.90
Same in Michigan	20.75	
Aggregate length of tracks belonging to this company, computed as single track		90.71
Same in Michigan		75.42

Gauge of track, 4 feet, 8½ inches.

STATE OF OHIO, }
COUNTY OF CUYAHOGA, } ss.

D. W. Caldwell, president, and O. G. Getzen-Danner, secretary of the Detroit, Monroe & Toledo Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

D. W. CALDWELL, *President*,
O. G. GETZEN-DANNER, *Secretary*.

Subscribed and sworn to before me this 17th day of January, A. D. 1896.

[L S] W. T. SMITH,
Notary Public.

ANNUAL REPORT

OF THE

FORT WAYNE & JACKSON RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 20, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, SAMUEL SLOAN, New York City.
Secretary and Treasurer, WHITTLESEY D. SEARLS, New York City.
Transfer Agent, THE FARMERS' LOAN & TRUST CO., New York City.

DIRECTORS.

SAMUEL SLOAN, New York City.
R. G. BOLSTON, New York City.
L. TURNURE, New York City.
W. D. SEARLS, New York City.
SAMUEL SLOAN, JR., New York City.
S. S. PALMER, New York City.
H. BESTE, New York City.
W. S. SLOAN, New York City.
I. M. ROOT, Jackson, Michigan.
D. MERRIMAN, Jackson, Michigan.
JAMES F. JOY, Jackson, Michigan.
Term expires January 25, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: December 31, 1879.
Number of stockholders at date of last election: 74 common, 325 preferred.
Number of stockholders in Michigan at same date: 12.
Amount of full paid stock held in Michigan at same date: $114,800, par value.
Date of annual meeting of stockholders: January 25, 1895.
Fiscal year of company ends: January 25, 1896.
General offices of the company are located at New York City.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$27,275 48
Par value of shares		$100 00	
Average price received per share: Issued for bonds.			
Number of shares issued	27,275		

ANALYSIS OF DEBT ACCOUNT.

RECAPITULATION.

Total amount of stock and debt	$3,727,545 00
Stock and debt per mile of road	27,880 00

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	44.54	
Total length of road belonging to this company		97.83
Total length of road belonging to this company in Michigan	44.54	

Gauge of track, 4 feet 8½ inches.

STATE OF NEW YORK, }
COUNTY OF NEW YORK, } ss.

Samuel Sloan, president, and Whittlesey D. Searls, secretary, of the Fort Wayne & Jackson Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true full and correct statement of the stock, debt and other matters as therein contained of said company on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

SAM. SLOAN, *President.*
W. D. SEARLS, *Secretary.*

Subscribed and sworn to before me this 10th day of February, A. D. 1896.

[L. S.]

W. B. CARDOZO,
Notary Public, New York County.

ANNUAL REPORT

OF THE

KALAMAZOO, ALLEGAN, & GRAND RAPIDS RAILROAD CO.,

For the year ending December 31, 1895.

[Filed January 21, 1896.]

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES.

President, J. H. WADE, Cleveland, Ohio.
Secretary, O. G. GETZEN-DANNER, Cleveland, Ohio.
Treasurer, HORACE B. CORNER, Cleveland, Ohio.

DIRECTORS.

O. M. BARNES, Lansing, Mich.
H. B. PAYNE, Cleveland, Ohio.
GEO. F. ELY, Cleveland, Ohio.
CHAS. A. OTIS, New York, N. Y.
J. H. WADE, New York, N. Y.
H. B. PERKINS, Warren, Ohio.
DAN. P. KELLS, Cleveland, Ohio.
D. W. CALDWELL, Cleveland, Ohio.
H. B. CORNER, Cleveland, Ohio.
Terms expire when their successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: January 3, 1869.
Number of stockholders at date of last election: 96.
Number of stockholders in Michigan at same date: 10.
Amount of full paid stock held in Michigan at same date: $6,000.00.
Date of annual meeting of stockholders: First Wednesday in May.
Fiscal year of company ends December 31.
General offices of the company are located at Cleveland, Ohio.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$610,000 00
Par value of shares		$100 00	
Number of shares issued	6,100		
Amount paid in on common		$610,000 00	
Total amount paid in, as per books of the company			610,000 00
Paid in per mile of road owned by company			10,441 62

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage	5%	July 1, 1938		$840,000 00

RECAPITULATION.

Total debt liabilities	$840,000 00
Amount of debt liabilities per mile of road, 58.42 miles	14,378 64
Total amount of stock and debt	1,450,000 00
Stock and debt per mile of road	24,820 27

INTEREST ON THE FUNDED DEBT.

What is the amount of same due each year	$42,000 00
Was it paid for the last year? Yes.	

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction	$1,450,000 00
Average cost of construction per mile of road (not including sidings), 58.42 miles	24,820 27
Proportion of cost of construction for Michigan	1,450,000 00

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	58.42	
Total length of road belonging to this company		58.42
Total length of road belonging to this company in Michigan	58.42	
Aggregate length of sidings, spurs and other tracks not above enumerated		11.58
Aggregate length of tracks belonging to this company computed as single track		70.00
Same in Michigan	70.00	

Gauge of track: 4 feet 8½ inches.

STATE OF OHIO, }
COUNTY OF CUYAHOGA, } ss.

J. H. Wade, president, and O. G. Gatzen-Danner, secretary of the Kalamazoo, Allegan & Grand Rapids Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.]

Signed,

J. H. WADE, *President.*

O. G. GATZEN-DANNER, *Secretary.*

Subscribed and sworn to before me this 17th day of January, A. D. 1896.

[L. S.]

W. T. SMITH,
Notary Public.

ANNUAL REPORT

OF THE

KALAMAZOO & WHITE PIGEON RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed January 21, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, D. W. CALDWELL, Cleveland, Ohio.
Secretary and Treasurer, O. G. GETZEN-DANNER, Cleveland, Ohio.

DIRECTORS.

D. W. CALDWELL, Cleveland, Ohio.
O. G. GETZEN-DANNER, Cleveland, Ohio.
A. G. AMSDEN, Grand Rapids, Michigan.
D. P. CLAY, Grand Rapids, Michigan.
D. B. MERRILL, Kalamazoo, Michigan.
J. W. OSBORN, Kalamazoo, Michigan.
P. P. WRIGHT, Cleveland, Ohio.

Terms expire when their successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: August 14, 1869.
Number of stockholders at date of last election: 8.
Fiscal year of company ends December 31.
General offices of the company are located at Cleveland, Ohio.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association		$230,900 00
Par value of shares	$100 00	
Number of shares issued	2,309	
Amount paid in on common		230,900 00
Total amount paid in, as per books of company		230,900 00
Paid in per mile of road owned by company		6,313 64

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage	5%	Jan. 1, 1940		$400,000 00

RECAPITULATION.

Total debt liabilities	$400,000 00
Amount of debt liabilities per mile of road, 36.57 miles	10,937 92
Total amount of stock and debt	630,900 00
Stock and debt per mile of road	17,251 56

INTEREST ON THE FUNDED DEBT.

What is the amount of same due each year	$20,000 00

Was it paid for the last year?]
Yes.

COST OF ROAD AND EQUIPMENT.

Total cost for construction and equipment of road and branches built by company.

Total expended for construction	$610,000 00
Average cost of construction per mile of road (not including sidings) 36.57 miles	16,680 00
Proportion of cost of construction for Michigan	610,000 00

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	36.57	
Total length of road belonging to this company		36.57
Total length of road belonging to this company in Michigan	36.57	
Aggregate length of sidings, spurs and other tracks not above enumerated		5.62
Same in Michigan	5.62	
Aggregate length of tracks belonging to this company, computed as single track		42.19
Same in Michigan	42.19	

Gauge of track, 4 feet 8½ inches.

STATE OF OHIO, }
COUNTY OF CUYAHOGA, } ss.

D. W. Caldwell, president, and O. G. Getzen-Danner, secretary of the Kalamazoo & White Pigeon Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. of R. R.] Signed, D. W. CALDWELL, *President.*
O. G. GETZEN-DANNER, *Secretary.*

Subscribed and sworn to before me this 17th day of January, A. D. 1896.

[L. S.] W. T. SMITH,
Notary Public.

ANNUAL REPORT

OF THE

NORTHERN CENTRAL MICHIGAN RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed January 31, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, D. W. CALDWELL, Cleveland, Ohio.
Secretary and Treasurer, O. G. GATZEN-DANNER, Cleveland, Ohio.

DIRECTORS.

D. W. CALDWELL, Cleveland, Ohio.
O. G. GATZEN-DANNER, Cleveland, Ohio.
W. K. VANDERBILT, New York City.
C. T. MITCHELL, Hillsdale, Mich.
W. H. CANNIFF, Cleveland, Ohio.
P. P. WRIGHT, Cleveland, Ohio.
A. E. BILLINGS, Toledo, Ohio.
H. A. WORCESTER, Hillsdale, Mich.
E. A. MONTGOMERY, Lansing, Mich.
Terms expire when their successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

Number of stockholders at date of last election : 10.
Fiscal year of company ends December 31.
General offices of the company are located at Cleveland, Ohio.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association		$610,000 00
Number of shares issued	6,100	
Total amount paid in, as per books of the company		610,000 00
Paid in per mile of road owned by company, 61.14 miles		9,977 12

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

First mortgage, 8%, due in 1903. All owned by L. S. & M. S. R'y Co.

RECAPITULATION.

Total debt liabilities	$1,525,000 00
Amount of debt liabilities per mile of road	24,942 75
Total amount of stock and debt	$2,135,000 00

INTEREST ON THE FUNDED DEBT.

What is the amount of same due each year	$122,000 00
Was it paid for the last year? Yes.	

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction	$1,357,000 00
Average cost of construction per mile of road (not including sidings), 61.14 miles	22,195 00
Proportion of cost of construction for Michigan	1,357,000 00

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.	Miles
Length completed in Michigan	61.14	
Total length of road belonging to this company		61.14
Total length of road belonging to this company in Michigan	61.14	
Aggregate length of sidings, spurs and tracks not above enumerated	8.39	
Aggregate length of tracks belonging to this company computed as single track		69.53
Same in Michigan	69.53	

Gauge of track, 4 feet 8½ inches.

STATE OF OHIO, }
COUNTY OF CUYAHOGA, } ss.

D. W. Caldwell, President, and O. G. Gatzen-Danner, secretary, of the Northern Central Michigan Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

Signed,

[L. S. OF R. R.]

D. W. CALDWELL, *President.*

O. G. GATZEN-DANNER, *Secretary.*

Subscribed and sworn to before me this 17th day of January, A. D. 1896.

[L. S.]

W. T. SMITH,
Notary Public.

ANNUAL REPORT

OF THE

STURGIS, GOSHEN & ST. LOUIS RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed January 21, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, D. W. CALDWELL, Cleveland, Ohio.
Secretary and Treasurer, O. G. GETZEN-DANNER, Cleveland, Ohio.

DIRECTORS.

W. K. VANDERBILT, New York, N. Y.
C. VANDERBILT, New York, N. Y.
D. W. CALDWELL, Cleveland, Ohio.
E. D. WORCESTER, New York, N. Y.
P. P. WRIGHT, Cleveland, Ohio.
O. G. GETZEN-DANNER, Cleveland, Ohio.
T. J. CHARLESWORTH, Cleveland, Ohio.
Terms expire when their successors are elected and qualified.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: October 29, 1889.
Number of stockholders at date of last election: 8.
Number of stockholders in Michigan at same date: None.
Amount of full paid stock held in Michigan at same date: None.
Date of annual meeting of stockholders: First Wednesday in June.
Fiscal year of company ends December 31.
General offices of the company are located at Cleveland, Ohio.

REMARKS.

The Sturgis, Goshen & St. Louis Road was acquired by the L. S. & M. S. R'y Co. as of December 1, 1889, and is operated by that company as a proprietary road. The entire capital stock, $300,000, was turned over to the L. S. & M. S. R'y Co., for which that company guaranteed the payment of the bonded debt of of $322,000.00, 100 year 3 per cent bonds and interest.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$300,000 00
Par value of shares		$100 00	
Number of shares issued	3,000		

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage	3%	1989	New York city	$322,000 00

RECAPITULATION.

Total debt liabilities $322,000 00

INTEREST ON THE FUNDED DEBT.

What is the amount of same due each year $9,660 00

Was it paid for the last year?
Yes.

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Have no data to answer this.

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	3.02	
Length completed in Indiana	25.26	
Total length completed		28.28
Total length of road belonging to this company		28.28
Total length of road belonging to this company in Michigan	3.02	
Aggregate length of sidings, spurs and other tracks not above enumerated		3.02
Aggregate length of tracks belonging to this company, computed as single track		31.30
Same in Michigan	3.02	

Gauge of track, 4 feet 8½ inches.

STATE OF OHIO, }
COUNTY OF CUYAHOGA, } ss.

D. W. Caldwell, president, and O. G. Getzen-Danner, secretary of the Sturgis, Goshen & St. Louis Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. of R. S.] Signed D. W. CALDWELL, *President*,
O. G. GETZEN-DANNER, *Secretary*.

Subscribed and sworn to before me this 17th day of January, A. D. 1896.

[L. S.] W. T. SMITH,
Notary Public.

ANNUAL REPORT

OF THE

LOWELL & HASTINGS RAILROAD COMPANY,

For the year ending December 31, 1896.

[Filed May 21, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

General Manager, M. L. SWEET, Grand Rapids, Mich.
Secretary and Treasurer, McGEORGE BUNDY, Grand Rapids, Mich.
Auditor and Traffic Manager, W. H. CLARK, Lowell, Mich.

DIRECTORS.

M. L. SWEET, Grand Rapids, Mich.
H. J. HOLLISTER, Grand Rapids, Mich.
McGEORGE BUNDY, Grand Rapids, Mich.
WM. WINEGAR, Grand Rapids, Mich.
GEO. H. TUXBURY, Hart, Mich.
Terms expire when successors are elected.

STOCKHOLDERS, STOCK, AND GENERAL OFFICES.

When chartered or articles of association filed? May 6, 1887.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 7.
Date of annual meeting of stockholders: June 3.
Fiscal year of company ends: Calendar year.
General offices of the company are located at Grand Rapids and Lowell.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$10,647 04
Total expenses, including taxes	$11,701 73	
Net deficit	$1,054 69	
Interest on unfunded debt	10,512 04	
Balance applicable to dividends	$11,566 73	
Balance for the year		2,661 73
Balance forwarded to next year	$8,905 00	

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$200,000 00
Par value of shares	$100 00		
Number of shares issued	1,896		
Amount paid in on common		$190,120 00	
Total amount paid in, as per books of the company			190,120 00
Paid in per mile of road owned by company, 12½ miles			15,209 60

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For construction For equipment For real estate For renewals For miscellaneous For current balances		$38,905 00
Total unfunded debt		$38,905 00

RECAPITULATION.

Total debt liabilities	$38,905 00
Amount of debt liabilities per mile of road, 12½ miles	$11 24
Total amount of stock and debt	$229,025 00
Stock and debt per mile of road, 12½ miles	18,322 00

GENERAL BALANCE SHEET.—Dr.

Construction account Equipment account Real estate		$219,120 00
Other assets: Materials and supplies		1,000 00
Loss, balance brought forward	$8,905 00	
Total		$229,025 00

GENERAL BALANCE SHEET.—Cr.

Capital stock	$190,120 00
Unfunded debt: Notes payable Vouchers and accounts	38,905 00
Total	$229,025 00

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total cost for construction and equipment		$228,025 00
Average cost per mile of road (not including sidings) 12½ miles		18,322 00
Proportion of cost for Michigan	$229,025 00	

Purchased by present company.

Total cost to date of report		$228,025 00
Average cost per mile of road (not including sidings), 12½ miles		18,322 00
Proportion of cost for Michigan	$228,025 00	

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

Main line: Extensions and new sidings	$25,000 00	
New fences	5,000 00	
Total	$30,000 00	
Total charges to property account as above		$30,000 00
Net addition to property account		30,000 00

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$3,170 05	
Total passenger fares	$3,170 05	
Express and baggage	158 71	
Mails	540 72	
Other sources	98 26	
Total passenger department earnings		$3,967 74
Per train mile	$0 20	
Per mile of road	317 42	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$6,679 80	
Total traffic	$6,679 80	
Total freight department earnings		6,679 80
Per train mile	$0 33	
Per mile of road	534 34	
Total transportation earnings, entire line		$10,647 04
Transportation earnings per mile of road	851 76	
Transportation earnings per train mile	53	
Total earnings from operation of road		10,647 04
Total earnings per mile of road	851 76	
Total earnings per train mile	53	
Proportion of taxable earnings for Michigan		10,647 04
Total taxable earnings per mile of road in Michigan		851 76
Total income from all sources		$10,647 04
Proportion of income for Michigan		10,647 04

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$1,857 17
Renewals of ties	1,848 90
Total	$3,706 07

MAINTENANCE OF EQUIPMENT.

Repairs and renewals of locomotives Repairs and renewals of passenger cars Repairs and renewals of freight cars	$377 15

CONDUCTING TRANSPORTATION.

Engine and roundhouse men	$2,100 00
Fuel for locomotives Water supply for locomotives Oil, tallow and waste for locomotives	1,285 77
Train service Train supplies and expenses	1,584 15
Station service, printing and stationery	2,411 99
Total	$7,381 91

GENERAL EXPENSES.

Taxes and insurance	$236 60
Total	$236 60

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	27.67	$3,706 07
Maintenance of equipment	3.33	377 15
Conducting transportation	63.09	7,381 91
General expenses, including taxes	2.02	236 60
Total operating expenses and taxes	100.00	$11,701 73

Operating expenses and taxes per mile of road		$936 14
Operating expenses and taxes per train mile run, for trains earning revenue, 20,000 miles	$0 56	
Total proportion of expenses and taxes for Michigan		11,701 73
Per centage of expenses to earnings	100	
Net deficit per mile of road	84.38	
Net deficit per train mile	03	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Lowell to Freeport, December, 1887.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Lowell to Freeport	12.50	
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated	1.00	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		13.50

Gauge of track, 4 feet 8½ inches.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	10	670

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Detroit, Lansing & Northern R. R. at Elmdale.
D. G. H. & M. R. R. at Lowell.

At what crossings are interlocking and derailing switches in operation?
Elmdale, with D. L. & N.
Lowell, with D. G. H. & M.

What pattern or patterns have you adopted?
Gravit, Allentown.

Number of crossings of highways at grade in this State: 17.

Stations.

Number of stations on whole lines (all in Michigan) 3

Employés.

Number of persons regularly employed on all roads operated by company, including officials, (all in Michigan) 16

Classify your employés as per following list:	Number.
Brakemen	1
Conductors	1
Engineers	1
Firemen	1
Laborers	5
Shopmen	1
Others	6

REPAIRS AND RENEWALS.

Fencing in Michigan.

	Miles
How many miles of fencing have you	21
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed	4
Barry	1
Kent	3

Road bed and track.

Number of track sections in Michigan	1
Average length of sections, miles	13.5
Average number of men in each section gang	5.
Number of new ties put in whole line during the year	7,500
Number of new ties put in track in Michigan	7,500
Average number of new ties per mile of road	600

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of 20 to 30 tons weight, exclusive of tender	2	$6,000 00
Total	2	$6,000 00
Number of combination cars—8-wheel, including official cars	1	$1,500 00
Number of platform cars	5	1,500 00
Total	6	3,000 00
Number of locomotives equipped with power brakes		1
Number of passenger train cars equipped with power brakes		1

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
M. C. B. Janney.

How are your passenger cars heated?
Baker heater.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by mixed trains	20,000
Total mileage of trains earning revenue	20,000

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of local passengers carried, earning revenue	16,630		
Total number of passengers carried, earning revenue	16,630		
Number of passengers carried one mile	116,410		
Average distance carried		7	
Average amount received from each passenger			$0 19
Average receipts per mile for through passengers			02.71
Average receipts per mile for local passengers			02.71
Average receipts per passenger per mile for all passengers			02.71
Estimated cost of carrying each passenger one mile			04

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of local freight carried, earning revenue	12,745		
Total tons of freight carried, earning revenue	12,745		
Total mileage of local freight		20,000	
Total freight mileage or tons carried one mile		89,315	
Average ton haul for local freight		7	
Average ton haul for all freight		7	
Average amount received for each ton haul			$0 52
Average ton receipts per mile, for local freight			07.4
Average receipts ton per mile, for all freight			07.4
Estimated cost of carrying one ton one mile			10

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage. Whole tons.	Total freight tonnage. Per cent.
Products of agriculture:				
Grain			1,294	10.15
Flour			1,852	14.53
Fruit, and vegetables			752	5.90
Products of animals:				
Live stock			746	5.85
Products of mines:				
Anthracite coal; Bituminous coal			1,000	7.85
Stone, sand and other like articles			100	.86
Products of forest:				
Lumber; Logs; Shingles			3,370	26.44
Manufactures:				
Cement, brick and lime			168	1.32
Merchandise			2,482	19.47
Miscellaneous:				
Other commodities not mentioned above			971	7.63
Total tonnage			12,745	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies? American Express.

One and one-half and one and one-tenth first class freight rates; takes freight at depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

12½ miles; belongs to this company.

STATE OF MICHIGAN, } ss.
COUNTY OF KENT, }

M. L. Sweet, general manager, and McGeorge Bundy, secretary, of the Lowell & Hastings Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed McGEORGE BUNDY,
MARTIN L. SWEET.

Subscribed and sworn to before me this 20th day of May, A. D. 1896.

ZENA SLAYTON,
Notary Public, Kent Co., Mich.

ANNUAL REPORT

OF THE

MANISTEE & GRAND RAPIDS RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed March 28, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, JOHN CANFIELD, Manistee, Mich.
Vice President, LOUIS SANDS, Manistee, Mich.
Secretary, T. J. RAMSDELL, Manistee, Mich.
Auditor, E. N. SALLING, Manistee, Mich.
Treasurer, E. G. FILER, Manistee, Mich.
General Manager, JOHN CANFIELD, Manistee, Mich.
General Superintendent, W. H. HERBERT, Manistee, Mich.
Chief Engineer, E. W. MUENSCHER, Manistee, Mich.
Cashier, E. G. FILER, Manistee, Mich.
General Freight Agent, E. N. SALLING, Manistee, Mich.
Attorney, T. J. RAMSDELL, Manistee, Mich.

DIRECTORS.

E. G. FILER, Manistee, Mich.
E. N. SALLING, Manistee, Mich.
JAMES DEMPSEY, Manistee, Mich.
JOHN CANFIELD, Manistee, Mich.
R. R. BLOCHER, Manistee, Mich.
LOUIS SANDS, Manistee, Mich.
T. J. RAMSDELL, Manistee, Mich.
Term expires January 15, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: November 11, 1889.
Number of stockholders at date of last election: 8.
Number of stockholders in Michigan at same date: 8.
Amount of full paid stock held in Michigan at same date: 50 shares.
Date of annual meeting of stockholders: Third Wednesday in January.
Fiscal year of company ends: December 31.
General offices of the company are located at Manistee, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$37,812 72
Total expenses, including taxes	$18,631 94	
Net income		$19,181 78
Rentals of buildings, tracks, etc.		24 00
Balance applicable to dividends		$19,205 78
Balance for the year		$19,205 78
Balance, profit and loss, last year		64,089 16
Items not included in above, as follows		11 18
Balance forward to next year		$83,306 12

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$1,000,000 00
Par value of shares	$100 00		
Number of shares issued	50		
Amount paid in on common		25,000 00	
Amount paid in on shares not issued (number) 4,450		422,950 00	
Total amount paid in, as per books of the company			427,950 00
Paid in per mile of road owned by company, 31.23 miles			13,703 17

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For miscellaneous		$8 36

RECAPITULATION.

Total debt liabilities	$8 36
Amount of debt liabilities per mile of road	27
Total amount of stock and debt	427,958 36
Stock and debt per mile of road, 31.23 miles	13,703 44

GENERAL BALANCE SHEET.—Dr.

Construction account	$386,496 70	
Equipment account	50,251 40	
Other investments:		
Fence account	2,070 29	
Dock No. 2	633 22	
Real estate	18,337 70	
Tools	1,916 24	
Grading Luther extension	5,325 40	
		$465,060 95
Cash items:		
Cash	$9,687 73	
Bills receivable	12,360 33	
		22,048 06
Other assets:		
Materials and supplies		24,155 47
Total		$511,264 48

GENERAL BALANCE SHEET.—Cr.

Capital stock	$427,950 00
Other liabilities	8 36
Profit and loss or income accounts	83,306 12
Total	$511,264 48

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$438,818 39
Average cost per mile of road (not including sidings) 31.23 miles	14,051 18
Proportion of cost for Michigan: 100%.	

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Extensions and new sidings	$22,151 72
New fences	528 28
Machinery and tools	1,946 24
Total	$24,626 24
Branches:	
Grading Luther extension	5,325 40
Total charges to property account as above	$29,951 64
Net addition to property account	29,951 64

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$36,405 01	
Total traffic	$36,405 01	
*Other sources, freight department	1,408 71	
Total freight department earnings		$37,813 72
Per train mile	$2 20	
Per mile of road	1,210 81	
Total transportation earnings, entire line		$36,405 01
Transportation earnings per mile of road	$1,210 81	
Transportation earnings per train mile	2 20	
Miscellaneous receipts from operating account, other than for transportation:		
From switching charges balance	1,408 71	
From rents not otherwise provided for	24 00	
Total		$7,837 72
Total earnings from operation of road		$37,837 72
Total earnings per mile of road	$1,210 81	
Total earnings per train mile	2 20	
Income other than from earnings		11 18
Total income from all sources		$37,848 90

Proportion of income for Michigan: 100%.

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$6,106 70
Renewals of ties	742 90
Repairs and renewals of bridges and culverts	322 16
Repairs and renewals of fences, road crossings, signs and cattle guards	106 70
Repairs and renewals of buildings and fixtures	235 02
Repairs and renewals of docks and wharves	66 77
Total	$7,580 25

MAINTENANCE OF EQUIPMENT.

Repairs and renewals of locomotives	$523 49
Repairs and renewals of freight cars	596 46
Repairs and renewals of shop machinery and tools	77 76
Total	$1,197 71

* This item should not be added in here, as it is accounted for under "Miscellaneous receipts from operating account, other than for transportation."

CONDUCTING TRANSPORTATION.

Superintendence	$1,100 00
Engine and roundhouse men	1,622 83
Fuel for locomotives	2,295 25
Water supply for locomotives	289 91
Oil, tallow and waste for locomotives	132 55
Train service	1,557 94
Train supplies and expenses	83 96
Switchmen, flagmen and watchmen	289 91
Loss and damage	18 04
Other expenses	628 50
Total	$8,019 29

GENERAL EXPENSES.

Salaries of clerks and attendants	$760 00
General office expenses and supplies	281 42
Insurance	244 75
Stationery and printing (general offices)	283 99
Taxes	264 53
Total	$1,834 69

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	40.63	$7,580 25
Maintenance of equipment	6.43	1,197 71
Conducting transportation	43.04	8,019 29
General expenses, including taxes	9.85	1,834 69
Total operating expenses and taxes	100	$18,631 94

Operating expenses and taxes per mile of road	$596 60
Operating expenses and taxes per train mile run, for trains earning revenue	1 08
Total proportion of expenses and taxes for Michigan	18,631 94
Percentage of expenses to earnings 49.23	
Net earnings per mile of road	615 33
Net earnings per train mile	1 12

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Manistee, Michigan, to C. & W. M. Junction, December 20, 1892.

MAIN LINE.

	Miles.
In Michigan	31.23
Total length of branches owned by company in Michigan	31.23
Total length of road belonging to this company in Michigan	31.23
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	13.39
Aggregate length of tracks in Michigan belonging to this company, computed as single track	44.62

Gauge of track, 4 feet 8½ inches.

If north of parallel 44 of latitude?
Yes.

Give date road commenced to be built:
December 11, 1889.

Give date road completed:
May 1, 1893.

Give date road commenced to be operated:
May 1, 1892.

Where built from and to:
Manistee, Michigan, to C. & W. M. Junction.

Give exact number of miles.
31.23 miles.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Combination	2	
Wooden trestles	2	108
Total	4	108

Crossings—railroad and highway.

What railroads cross your road either over or under your grade in this State, and where?
Under:
F. & P. M. R. R. at Junction, near Stronach.

Number of crossings of highways at grade in this State	20

Stations.

Number of stations on whole lines (all in Michigan)	1

Employés.

Classify your employés as per following list:	Number.
Brakemen	4
Conductors	2
Engineers	2
Firemen	2
Laborers	8
Shopmen	4
Yardmen	2
Others	4
	28

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you:
Estimated 13 miles.
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
50.46 miles.

Road bed and track.

Number of track sections in Michigan	3
Average length of sections, miles	9
Average number of men in each section gang	4

Total miles of track laid with new rails:
All.

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	2	$15,284 40
Total	2	$15,284 40
Number of box freight cars	4	$1,823 60
Number of platform cars	90	31,310 40
Number of conductors' way cars	2	1,833 00
Total	96	$50,251 40

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse on locomotives.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Janney.

How are your passenger cars heated?
None.

MILEAGE TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by freight trains during the year	17,225
Total mileage of trains earning revenue	17,225

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of local freight carried, earning revenue	57,268		$0 64
Total tons of freight carried, earning revenue	57,268		$0 64
Total mileage of local freight		17,225	
Total freight mileage or tons carried one mile		1,059,405	
Average ton haul for local freight		18.3943	
Average ton haul for all freight		18.3943	

Average amount received for each ton haul	$0 64
Average receipts ton per mile, for local freight	03.46
Average receipts ton per mile, for all freight	03.46
Estimate cost of carrying one ton one mile	01.77

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on his road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage. Whole tons.	Total freight tonnage. Per cent.
Products of agriculture:				
Grain	185		185	.32
Flour	26		26	.05
Other mill products	13		13	.02
Hay	153		153	.27
Products of animals:				
Live stock	34		34	.06
Dressed meats	22		22	.04
Products of mines:				
Salt	198		198	.35
Products of forest:				
Lumber	271		271	.47
Logs	55,569		55,569	97.03
Manufactures:				
Petroleum and other oils	8		8	.01
Other castings and machinery; Bar and sheet metal	23		23	.04
Merchandise	672		672	1.17
Miscellaneous:				
Other commodities not mentioned above	94		94	.17
Total tonnage	57,268		57,268	100

STATE OF MICHIGAN, } ss.
COUNTY OF MANISTEE, }

John Canfield, president, and E. N. Salling, auditor, of the Manistee & Grand Rapids Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

JOHN CANFIELD, *President*,
E. N. SALLING, *Auditor*.

Subscribed and sworn to before me this 27th day of March, A. D. 1896.
[L. S.]

C. C. YOUNG, *Notary Public*.

ANNUAL REPORT

OF THE

MANISTEE & NORTHEASTERN RAILROAD COMPANY,

For the year ending December 31, 1896.

[Filed April 18, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, EDWARD BUCKLEY, Manistee, Mich.
Vice President, WM. DOUGLAS, Manistee, Mich.
Acting Secretary, EDWARD BUCKLEY, Manistee, Mich.
Auditor, ROBERT PORTEOUS, Manistee, Mich.
Acting Treasurer, EDWARD BUCKLEY, Manistee, Mich.
General Manager, EDWARD BUCKLEY, Manistee, Mich.
General Superintendent, WM. DOUGLAS, Manistee, Mich.
Assistant General Superintendent, EDWARD McFADZEN, Manistee, Mich.
Chief Engineer, J. J. HUBBELL, Manistee, Mich.
General Passenger Agent, F. A. MITCHELL, Manistee, Mich.
General Freight Agent, F. A. MITCHELL, Manistee, Mich.

DIRECTORS.

EDWARD BUCKLEY, Manistee, Mich.
WILLIAM DOUGLAS, Manistee, Mich.
CHAS. G. WILSON, Manistee, Mich.
ALBERT WILSON, Manistee, Mich.
T. J. ELTON, Manistee, Mich.
Term expires January 7, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: January 7, 1887.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 7.
Date of annual meeting of stockholders: January 7, each year.
Fiscal year of company ends: December 31.
General offices of the company are located at Manistee, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$205,652 05
Total expenses, including taxes	$135,125 77	
Net income		$70,526 28
Interest on unfunded debt	$135,443 46	
Balance for the year	$64,917 18	
Balance (profit and loss) last year	183,347 29	
Balance forwarded to next year	$248,264 47	

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$2,000,000 00
Par value of shares		$100 00	
Number of shares issued	20,000		
Amount paid in on common		525,765 97	
Total amount paid in as per books of the company			525,765 97
Paid in per mile of road owned by company, 90.48 miles			5,810 85

ANALYSIS OF DEBT ACCOUNT.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated.	Amount.
For construction For equipment For real estate For renewals For miscellaneous For current balances	To be paid	$1,521,310 13

RECAPITULATION.

Total debt liabilities	$1,521,310 13
Amount of debt liabilities per mile of road, 90.48 miles	16,813 77
Total amount of stock and debt	2,047,076 10
Stock and debt per mile of road, 90.48 miles	22,624 62

GENERAL BALANCE SHEET.—Dr.

Construction account	$1,468,288 52	
Equipment account	183,875 89	
Other investments:		
Real estate, etc.	116,794 83	
		$1,768,959 24
Manistee Driving Park stock	$1,750 00	
North Side Park stock	250 00	
		2,000 00
Cash items:		
Cash	$26,421 55	
Due from agents	2,351 90	
		28,773 45
Other assets:		
Materials and supplies	$21,288 33	21,288 33
Debit balances from companies and individuals	5,269 79	5,269 79
Balance	248,264 47	248,264 47
Total		$2,074,555 27

GENERAL BALANCE SHEET.—Cr.

Capital stock		$525,765 97
Unfunded debt:		
Interest unpaid Dividends unpaid Notes payable	$1,521,310 13	
Vouchers and accounts	27,479 17	
		1,548,789 30
Total		$2,074,555 27

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$1,768,959 24
Average cost per mile of road, not including sidings, 90.48 miles	19,550 74
Proportion of cost for Michigan	19,550 74

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Extensions and new sidings	$8,100 39	
New buildings	415 98	
New fences	261 94	
Machinery and tools	65 04	
New cars	235 12	
		$9,078 42

BRANCHES.

Extensions and new sidings	4,861 50
Total charges	$13,939 92
Total charges to property account as above	13,939 92
Net addition to property account	13,939 92

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$36,417 48	
Through fares	6,717 39	
Total passenger fares	$43,134 87	
Express and baggage	1,274 35	
Mails	3,923 08	
Other sources	360 00	
Total passenger department earnings		$48,691 30
Per train mile	30 45	
Per mile of road	538 14	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$146,302 95	
Through traffic	9,420 36	
Total traffic	$155,723 31	
Total freight department earnings		155,723 31
Per train mile	$1 67	
Per mile of road	1,721 09	
Total transportation earnings, entire line		$204,414 61
Transportation earnings per mile of road	$2,259 22	
Transportation earnings per train mile	1 02	
Miscellaneous receipts from operating account, other than for transportation:		
From telegraph companies		901 29
From other sources		336 15
Total		$205,652 05
Total earnings from operation of road { 66.48 miles		180,382 56
Total earnings from operation of road { north of parallel 44 of latitude		25,269 49
Total earnings per mile of road, total 24.9048 miles		2,272 90
Total earnings per train mile		1 02
Proportion of taxable earnings for Michigan, 66.48 miles		180,382 56
Total taxable earnings per mile of road in Michigan, 66.48 miles		2,710 33
Total income from all sources		$205,652 05
Proportion of income for Michigan		205,652 05

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$19,323 85
Renewals of rails	1,127 02
Renewals of ties	5,214 90
Repairs and renewals of bridges and culverts	1,070 70
Repairs and renewals of fences, road crossings, signs and cattle guards	292 68
Repairs and renewals of buildings and fixtures	940 19
Repairs and renewals of telegraph	73 02
Stationery and printing	124 66
Other expenses	316 12
Total	$28,483 14

MAINTENANCE OF EQUIPMENT.

Superintendence	$1,000 00
Repairs and renewals of locomotives	10,502 15
Repairs and renewals of passenger cars	3,420 14
Repairs and renewals of freight cars	6,510 99
Repairs and renewals of shop machinery and tools	287 94
Stationery and printing	124 65
Other expenses	252 67
Total	$22,098 54

CONDUCTING TRANSPORTATION.

Superintendence	$1,500 00
Engine and roundhouse men	13,289 40
Fuel for locomotives	24,988 31
Water supply for locomotives	985 04
Oil, tallow and waste for locomotives	1,415 60
Train service	12,636 94
Train supplies and expenses	372 32
Switchmen, flagmen and watchmen	1,117 69
Telegraph expenses	2,872 60
Station service	9,792 55
Station supplies	857 02
Car mileage—balance	801 20
Loss and damage	136 73
Injuries to persons	32 50
Clearing wrecks	50 23
Advertising	121 97
Rent of buildings and other property	716 68
Stationery and printing	498 61
Other expenses	1,915 54
Total	$74,200 98

GENERAL EXPENSES.

Salaries of general officers	$4,200 00
Salaries of clerks and attendants	1,486 81
General office expenses and supplies	52 67
Insurance	1,232 12
Law expenses	11 62
Stationery and printing (general offices)	249 30
Other expenses	201 00
Taxes	2,919 64
Total	$10,343 16

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	20.89	$28,483 14
Maintenance of equipment	16.36	22,098 54
Conducting transportation	54.76	74,200 98
General expenses, including taxes	7.99	10,343 16
Total operating expenses and taxes	100	$135,125 77

Operating expenses and taxes per mile of road, 90.48 miles	$1,493 43
Operating expenses and taxes per train mile run, for trains earning revenue, 199,806 miles	67.71
Total proportion of expenses and taxes for Michigan	135,125 77
Percentage of expenses to earnings	65.7
Net earnings per mile of road	779 46
Net earnings per train mile	35.39

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Manistee, Mich., to *Traverse City, Mich., July 1, 1892.

MAIN LINE.

	Miles.	Miles.
In Michigan from Manistee, Mich., to Traverse City, Mich.	69.76	
In Michigan, from Manistee City to extension	1	
Total length completed		70.76

BRANCHES.

River Branch, from Manistee, Mich., to Harbor	1.51	
Onekama Branch, from Onekama Junction to Onekama, Mich.	3.71	
Bear Creek Branch, from Bear Creek to Canfields Camp, Mich.	8.00	
Manistee River Branch, from Maple Grove	4.00	
Glen Arbor Branch, from Solon, Mich., to Cedar City, Mich.	3.50	
Total length of branches owned by company		19.72
Total length of branches owned by company in Michigan	90.48	
Total length of road belonging to this company		90.48
Total length of road belonging to this company in Michigan	90.48	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	21.00	
Aggregate length of tracks in Michigan belonging to this company computed as single track		111.48

Gauge of track, 4 feet 8½ inches.

If north of parallel 44 of latitude:
Yes; Lake Ann to Traverse City, Mich.

Give date road commenced to be built:
October 1, 1891.

Give date road completed:
July 1, 1892.

Give date road commenced to be operated:
July 1, 1892.

Where built from and to:
Lake Ann, Mich., to Traverse City, Mich.

Give exact number of miles:
17.86 miles.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	14	600
Total	14	600

Draw bridges in Michigan.

How many on your line?	1
Where located, when built, and length of draw span: Manistee, Mich., January, 1889. Length of draw span	Feet. 160

Character of structure:
Howe truss.

Material of which constructed:
Wood and iron.

Height above water, and depth of water under bridge:
12 feet; 14 feet.

How swung, by engine or hand power?
Hand power.

Approaches straight or curved?
Curved.

Do you require all trains to come to full stop before crossing a draw, and how are they signaled?
Yes; by Gravitt derailing semaphore.

**Line opened as follows:*

Main line, Manistee to Onekama, Mich., January 14, 1889.
" " " " Peters Camp, Mich., May 1, 1890.
" " " " Lake Ann, Mich., October 13, 1890.
" " " " Traverse City, Mich., July 1, 1892.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Flint & Pere Marquette R. R., at Manistee.
Chicago & West Michigan R. R., at Manistee Crossing, Mich.
Ann Arbor R. R., at Copemish, Mich.
Chicago & West Michigan R. R., at Interlochen, Mich.
Chicago & West Michigan R. R., at Bear Creek Branch Crossing.
Chicago and West Michigan R. R., at Traverse City, Mich.

DESCRIPTION OF ROAD.

Crossings—railroad and highway.

At what crossings are interlocking and derailing switches in operation?
Flint & Pere Marquette R. R., Manistee, Mich.
Chicago & West Michigan Ry., Manistee Crossing, Mich.
Chicago & West Michigan Ry., Interlochen, Mich.
Chicago & West Michigan Ry., Bear Creek Branch Crossing, Mich.

What pattern or patterns have you adopted?
Gravitt.

Number of crossings of highways at grade in this State	60
Number of crossings at which there are electric or automatic signals	1

Number of crossings of highways over or under railroad: over none; under none.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Mostly wood, some with steel.

Stations.

Number of stations on whole lines, all in Michigan?
14 regular and 7 flag stations.

Employés.

Classify your employés as per following list:	Number.
Baggagemen	3
Brakemen	9
Conductors	7
Engineers	7
Firemen	7
Laborers	62
Shopmen	9
Yardmen	3
Others	50

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	61½

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:

	Miles.
Manistee county	44½
Benzie county	11
Grand Traverse county	22
Leelanau county	12

Road bed and track.

Number of track sections in Michigan	10
Average lengths of sections, miles	7
Average number of men in each section gang	4
Number of new ties put in whole line during the year	17,007
Number of new ties put in track in Michigan	17,007
Average number of new ties per mile of road, 90.48 miles	188

New rails put in track:
Steel, tons 151.

Total miles of track laid with new rails	1½

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	8	$46,458 00
Total	8	$46,458 00
Number of passenger cars—8-wheel, including official cars	5	17,568 60
Number of express and baggage cars	2	3,168 10
Number of box freight cars	8	2,784 25
Number of platform cars	275	81,277 68
Number of conductors' way cars	5	2,219 00
Other cars as follows:		
Snow plow	1	641 06
Total	296	$154,211 72
Number of locomotives equipped with power brakes	8	
Number of passenger-train cars equipped with power brakes	7	
Number of freight cars equipped with power brakes	1	

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse air brakes, 6.
American steam brakes, 2.
Box cars, Westinghouse air brakes, 1.
Passenger cars, Westinghouse air brakes, 7.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Dowling, M. C. B. and Gould. Draw head couplers.

How are your passenger cars heated?
Combination Baker heater, with McElroy steam heat, Consolidated Heating Co.'s system.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	99,552
Miles run by freight trains during the year	86,214
Miles run by mixed trains	14,040
Total mileage of trains earning revenue	199,806

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate
Number of through passengers carried earning revenue	9,409		
Number of local passengers carried, earning revenue	76,344		
Total number of passengers carried, earning revenue	85,753		
Number of passengers carried one mile	1,911,382		
Average distance carried		22.2	
Average amount received from each passenger			$0 50.7
Average receipts per mile for through passengers			02.3
Average receipts per mile for local passengers			02.3
Average receipts per passenger per mile for all passengers			02.3

Freight traffic.—Road all in the State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried earning revenue	15,378		
Number of tons of local freight carried earning revenue	327,429		
Total tons of freight carried earning revenue	342,807		
Total mileage of through freight		378,933	
Total mileage of local freight		9,133,876	
Total freight mileage or tons carried one mile		9,506,809	
Average ton haul for through freight		24.3	
Average ton haul for local freight		27.9	
Average ton haul for all freight		27 7	
Average amount received for each ton haul			$0 45.4
Average receipts ton per mile for through freight			02.5
Average receipts ton per mile for local freight			01.6
Average receipts ton per mile for all freight			01.6

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	459	1,115	1,574	.46
Flour	716	570	1,286	.38
Hay	300	1,027	1,327	.39
Fruit and vegetables	51	300	351	.10
Potatoes	2,400	10	2,410	.70
Products of animals:				
Live stock	384	66	450	.13
Dressed meats	15	20	35	.01
Other packing house products	183	30	213	.06
Poultry, game and fish	75	4	79	.02
Hides and leather	163		163	.05
Products of mines:				
Anthracite coal		68	68	.02
Bituminous coal	39	400	439	.13
Stone, sand and other like articles	105	17	122	.04
Salt	2,844	4	2,848	.83
Products of forest:				
Lumber	64,217	305	64,522	18.82
Logs	250,550	2,000	252,550	73.67
Shingles	2,000		2,000	.58
Manufactures:				
Petroleum and other oils	270	183	453	.13
Iron, pig and bloom		345	345	.10
Other castings and machinery	540	498	1,038	.30
Cement, brick and lime	73	192	265	.08
Agricultural implements	150	436	586	.17
Wagons, carriages, tools, etc.	500	225	725	.21
Wines, liquors and beers	300	780	1,080	.30
Household goods and furniture	1,250	560	1,810	.53
Merchandise	4,733	400	5,133	1.50
Miscellaneous:				
Other commodities not mentioned above	900	85	985	.29
Total tonnage	333,217	9,590	342,807	100

ADDITIONAL QUESTIONS.

Express Companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

American Express Company.

1. A general transportation business on a pro rata basis as to rates.
2. Take their freight at the depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

76 miles. Manistee & Northeastern R. R. Co.

ADDITIONAL QUESTIONS.

Fast freight lines.

To what fast freight lines, or other transportation companies, running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid.

Name of company.	General office.	Amount paid.
Armour Car Lines	Chicago, Ill.	$7 78
Blue Line	Rochester, N. Y.	38 84
Burton Stock Car Co.	Chicago, Ill.	30
Commercial Dispatch Line	Cleveland, Ohio	82
Canada Southern Line	Rochester, N. Y.	10 66
Chicago Refrigerator Line	Chicago, Ill.	10 99
Canadian Pacific Dispatch	Boston, Mass.	1 55
Empire Line	Philadelphia, Pa.	3 62
Erie Dispatch	Cleveland, Ohio	24
Great Eastern Line	Montreal, Que., Canada	62
Merchants' Desp. Trans. Co.	New York City	6 89
North West Despatch F. F. Line	Philadelphia, Pa.	18
New England Stock Car Co.	Boston, Mass.	1 08
New York Despatch Line	Boston, Mass.	85
National Desp. Line	Boston, Mass.	2 98
Southern Despatch Lumber Line	Louisville, Ky.	1 10
Southern Iron Car Line	Atlanta, Ga.	24
Union Tank Line	Indianapolis, Ind.	3 15
Union Refrigerator Tran. Co.	St. Louis, Mo.	1 12
International Fruit Deal. Desp.	Chicago, Ill.	54
Red Line	Buffalo, N. Y.	6 23

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

INJURED.

June 15, 1895, J. W. Merkley, conductor, Manistee, Mich. Switching car with stake contrary to orders; hand caught between car and stake, causing loss of index finger of the right hand.
July 18, 1895, Fred Pefley, conductor, Manistee, Mich. Hand caught while coupling cars; thumb taken off.

STATE OF MICHIGAN, } ss.
COUNTY OF MANISTEE, }

Edward Buckley, president, and Robert Porteous, auditor, of the Manistee & Northeastern Railroad Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

EDWARD BUCKLEY
ROBT. PORTEOUS.

Subscribed and sworn to before me this 17th day of April, A. D. 1896.

[L. S.]

T. J. ELTON,
Notary Public

ANNUAL REPORT

OF THE

MANISTEE & NORTHEASTERN RAILROAD COMPANY,

(SUPPLEMENTARY.)

For traffic north of parallel 44 of latitude, which, under act No. 174 of session laws of 1891, is exempt from taxation.

For the year ending December 31, 1895.

[Filed April 18, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

The same as Manistee & Northeastern.

DIRECTORS.

The same as Manistee & Northeastern.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

See general report for Manistee & Northeastern.

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$8,398 24	
Through fares	897 35	
Total passenger fares	$9,295 59	
Express and baggage	235 50	
Mails	1,077 89	
Total passenger department earnings		$10,608 98

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$14,421 54	
Through traffic	338 97	
Total traffic	$14,760 51	
Total freight department earnings		14,760 51
Total transportation earnings, entire line		$25,369 49

DESCRIPTION OF ROAD.

Give date road commenced to be built: October 1, 1891.
Give date completed: July 1, 1892.
Give date road commenced to be operated: July 1, 1892.
State where road built from and to: Lake Ann to Cedar City, and Traverse City, Mich., and Twin Lake, branch.
State if north of parallel 44 of latitude: Yes.
Give exact number of miles: 24.

STATE OF MICHIGAN, } ss.
COUNTY OF MANISTEE, }

Edward Buckley, president, and Robert Porteous, auditor, of the Manistee & Northeastern Railroad Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed EDWARD BUCKLEY,
ROBERT PORTEOUS.

Subscribed and sworn to before me this 17th day of April A. D. 1896.

[L. S.] T. J. ELTON,
Notary Public

ANNUAL REPORT

OF THE

MANISTIQUE RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed March 14, 1896.]

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES.

President, M. S. SMITH, Detroit, Mich.
Vice President, LEWIS A. HALL, Bay Mills, Mich.
Secretary, J. C. McCAUL, Detroit, Mich.
Auditor, G. H. STALKER, Detroit, Mich.
Treasurer, J. C. McCAUL, Detroit, Mich.
General Superintendent, JOHN MILLEN, Black River, Mich.
Assistant General Superintendent, WILLIAM GREEN, Grand Marais, Mich.
General Passenger Agent, J. F. CHISHOLM, Grand Marais, Mich.

DIRECTORS.

R. A. ALGER, Detroit, Mich.
M. S. SMITH, Detroit, Mich.
J. C. McCAUL, Detroit, Mich.
LEWIS A. HALL, Bay Mills, Mich.
R. K. HAWLEY, New York, N. Y.
G. H. STALKER, Detroit, Mich.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: September 18, 1886; articles amended October 21, 1889.
Number of stockholders at date of this report: 9.
Number of stockholders in Michigan at same date: 7.
Amount of full paid stock held in Michigan at same date: $114,800.
Date of annual meeting of stockholders: Not fixed.
Fiscal year of company ends: December 31.
General offices of the company are located at Detroit, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$117,228 07
Total expenses, including taxes	$67,689 22	
Net income		$49,538 85
Interest on unfunded debt	6,349 97	
Balance applicable to dividends		$43,188 88
Balance for the year		$43,188 88
Balance (profit and loss) last year		164,766 72
Balance forward to next year		$207,955 60

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$500,000 00
Par value of shares	$100 00		
Number of shares issued	1,500		
Amount paid in on common		$150,000 00	
Total amount paid in as per books of the company			150,000 00
Paid in per mile of road owned by company, 59.5 miles			2,521 01

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

Total unfunded debt	$125,171 42

RECAPITULATION.

Total debt liabilities	$125,171 42
Amount of debt liabilities per mile of road, 59.5 miles	2,103 72
Total amount of stock and debt	275,171 42
Stock and debt per mile of road, 59.5 miles	4,624 73

GENERAL BALANCE SHEET.—Dr.

Construction account		$395,558 94
Equipment account		75,349 21
Cash items:		
Cash		55 94
Other assets:		
Materials and supplies	7,436 80	
Debit balances from companies and individuals	4,726 13	
		12,162 93
Total		$483,127 02

GENERAL BALANCE SHEET.—Cr.

Capital stock		$150,000 00
Unfunded debt:		
Notes payable	$36,056 12	
Vouchers and accounts	89,115 30	
		125,171 42
Profit and loss or income accounts		207,955 60
Total		$483,127 02

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$470,908 15
Average cost per mile of road (not including sidings) 59.5 miles	7,914 42
Proportion of cost for Michigan	470,908 15

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

Main line:		
Extensions and new sidings	$22,893 27	
Total	$22,893 27	
Total charges to property account as above		$22,893 27
Property sold and credited		38 00
Net addition to property account		$22,855 27

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$8,699 71	
Total passenger fares	$8,699 71	
Mails	1,081 12	
Total passenger department earnings		$9,780 83
Per train mile	$0 40	
Per mile of road	164 38	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	107,447 24	
Total traffic	107,447 24	
Total freight department earnings		107,447 24
Per train mile	$1 56	
Per mile of road	1,805 84	
Total transportation earnings, entire line		$117,228 07
Transportation earnings per mile of road	$1,970 22	
Transportation earnings per train mile	1 71	
Total		$117,228 07
Total earnings from operation of road		$117,228 07
Total earnings per mile of road	$1,970 22	
Total earninns per train mile	$1 71	
Proportion of taxable earnings for Michigan	117,228 07	
Total taxable earnings per mile of road in Michigan	1,970 22	
Total income from all sources		117,228 07
Proportion of income for Michigan		17,228 07

GENERAL EXPENSES.

Insurance	$70 89
Stationery and printing (general offices)	22 03
Other expenses	1,541 50
Total	$1,634 42

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	38.74	$26,226 45
Maintenance of equipment	18.11	12,256 51
Conducting transportation	40.73	27,571 84
General expenses, including taxes	2.42	1,634 42
Total operating expenses and taxes	100	$67,689 22
Operating expenses and taxes per mile of road		$1,137 63
Operating expenses and taxes per train mile run, for trains earning revenue, 68,700		99
Total proportion of expenses and taxes for Michigan		$67,689 22
Percentage of expenses to earnings	57.74	
Net earnings per mile of road		832 59
Net earnings per train mile		72

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Germfask to Grand Marais. October 15, 1898.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Grand Marais to Germfask		39.50

BRANCHES.

From Grand Marais Junction to H. & B. Camp	16	
From Main Line to Starr	4	
Total length of branches owned by company		20
Total length of branches owned by company in Michigan	20	
Total length of road belonging to this company		59.50
Total length of road belonging to this company in Michigan	59.50	
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated	8	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		67.50

Gauge of track, 4 feet 8½ inches.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	2	235
Combination	1	300
Total	3	535

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
D. S. S. & A. R. R. at Seney.

At what crossings are interlocking and derailing switches in operation?
Seney.

What pattern or patterns have you adopted?
Gravit.

Number of crossings of highways at grade in this State	4
Number of crossings of highways at grade in this State at which there are gates or flagmen	1

How are they treated?
Bolted and blocked with two inch plank.

Stations.

Number of stations on whole lines, (all in Michigan)	4

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan)	29

Classify your employés as per following list:

	Number.
Baggagemen	1
Brakemen	6
Conductors	3
Engineers	3
Firemen	3
Laborers	1
Shopmen	10
Yardmen	1
Others	

REPAIRS AND RENEWALS.

Road bed and track.

Number of track sections in Michigan	6
Average length of sections, miles	9.92
Average number of men in each section gang	4
Number of new ties put in whole line during the year	25,500
Number of new ties put in track in Michigan	25,500
Average number of new ties per mile of road	429

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	8	$22,686 48
Total	8	$22,686 48
Number of passenger cars and baggage combination—8-wheel, including official cars	1	$3,100 00
Number of box freight cars	1	450
Number of platform cars	95	33,593 43
Number of conductors' way cars	3	1,627 00
Log cars	40	8,420 75
Total number	140	$47,191 18

Number of locomotives equipped with power brakes	3
Number of passenger train cars equipped with power brakes	1

What pattern or patterns of power brokes have you in use, and number of locomotives and cars with each?

American on locomotives; Westinghouse on passenger car.

MILEAGE TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by freight trains during the year	44,000
Miles run by mixed trains	24,700
Total mileage of trains earning revenue	68,700

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of local passengers carried, earning revenue	11,433		
Total number of passengers carried, earning revenue	11,433		
Number of passengers carried one mile	251,526		
Average distance carried		22	
Average amount received from each passenger			$0 86
Average receipts per mile for local passengers			03.9
Average receipts per passenger per mile for all passengers			03.9

Freight Traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate
Number of tons of local freight carried earning revenue	188,191		
Total tons of freight carried, earning revenue	188,191		
Total mileage of local freight		68,700	
Total freight mileage or tons carried one mile		5,432,498	
Average ton haul for local freight		28.87	
Average ton haul for all freight		28.87	
Average amount received for each ton haul			06.23
Average receipts ton per for mile local freight			00.22
Average receipts ton per mile for all freight			00.22

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of forest:				
Logs	181,854	229	182,083	96.75
Merchandise, lumbermen's supplies		6,108	6,108	3.25
Total tonnage	181,854	6,337	188,191	100

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

August 19, Phillip Albert, top loading, Starr Y. Fell from train; carelessness.

STATE OF MICHIGAN. }
COUNTY OF WAYNE, } ss.

M. S. Smith, president, and J. C. McCaul, secretary, of the Manistique Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.]

Signed,

M. S. SMITH,
J. C. McCAUL.

Subscribed and sworn to before me this 13th day of March, A. D. 1896.

[L. S.]

G. H. STALKER,
Notary Public, Wayne Co., Mich.

ANNUAL REPORT

OF THE

MASON & OCEANA RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed January 28, 1896.]

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES.

President, M. F. BUTTERS, Ludington, Mich.
Vice President, R. G. PETERS, Manistee, Mich.
Secretary, M. F. BUTTERS, Ludington, Mich.
Treasurer, HORACE BUTTERS, Ludington, Mich.
General Superintendent, M. McDERMOTT, Buttersville, Mich.
Chief Engineer, OTTO WREGE, Buttersville, Mich.

DIRECTORS.

M. F. BUTTERS, Ludington, Mich.
R. G. PETERS, Manistee, Mich.
J. H. LYONS, Ludington, Mich.
H. BUTTERS, Ludington, Mich.
G. N. STRAY, Ludington, Mich.
Terms expire January 9, 1897.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: August 9, 1886.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 5.
Amount of full paid stock held in Michigan at same date: $150,000.
Date of annual meeting of stockholders: Second Monday in January.
Fiscal year of company ends December 31.
General offices of the company are located at Ludington, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$18,695 91
Total expenses, including taxes	$18,695 91	

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$150,000 00
Par value of shares		$100 00	
Number of shares issued	1,500		
Amount paid in on common		$150,000 00	
Total amount paid in as per books of the company			150,000 00
Paid in per mile of road owned by company, 27 miles			5,555 55

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For construction For equipment For real estate For renewals For miscellaneous For current balances		$50,000 00

RECAPITULATION.

Total debt liabilities	$50,000 00
Amount of debt liabilities per mile of road, 27 miles	1,851 85
Total amount of stock and debt	200,000 00
Stock and debt per mile of road, 27 miles	7,407 50

GENERAL BALANCE SHEET—Dr.

Construction account	$145,000 00	
Equipment account	50,000 00	
		$195,000 00
Other assets:		
Materials and supplies		5,000 00
Total		$200,000 00

GENERAL BALANCE SHEET—Cr.

Capital stock	$150,000 00
Other liabilities:	
Butters & Peters Salt and Lumber Co.	50,000 00
Total	$200,000 00

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$195,000 00
Average cost per mile of road (not including sidings), 27 miles	7,222 22
Proportion of cost for Michigan	7,222 22

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$2,351 75	
Total passenger fares	$2,351 75	
Mails	1,264 96	
Total passenger department earnings		$3,616 71
Per train mile	$0 19	
Per mile of road	133 95	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$15,079 20	
Total traffic		$15,079 20
Per train mile	30 68	
Per mile of road	558 49	
Total transportation earnings, entire line		$18,695 91
Transportation earnings per mile of road		692 44
Transportation earnings per train mile		46
Total earnings from operation of road		$18,695 91
Total earnings per mile of road	$692 44	
Total earnings per train mile	46	
Proportion of taxable earnings for Michigan	18,695 91	
Total taxable earnings per mile of road in Michigan	692 44	
Total income from all sources		$18,695 91
Proportion of income for Michigan		18,695 91

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$1,500 00
Renewals of ties	1,500 00
Repairs and renewals of bridges and culverts	400 00
Repairs and renewals of fences, road crossings, signs and cattle guards	100 00
Total	$3,500 00

MAINTENANCE OF EQUIPMENT.

Repairs and renewals of locomotives	$1,500 00
Repairs and renewals of passenger cars	50 00
Repairs and renewals of freight cars	1,450 00
Repairs and renewals of shop machinery and tools	500 00
Total	$3,500 00

CONDUCTING TRANSPORTATION.

Engine and roundhouse men	$2,400 00
Fuel for locomotives	3,000 00
Water supply for locomotives	300 00
Oil, tallow and waste for locomotives	300 00
Other supplies for locomotives	100 00
Train service	4,500 00
Train supplies and expenses	100 00
Switchmen, flagmen and watchmen	300 00
Telegraph expenses	100 00
Loss and damage	50 00
Stationery and printing	50 00
Other expenses	2 92
Total	$11,202 92

GENERAL EXPENSES.

Taxes	$492 99
Total	$492 99

RECAPITULATION OF EXPENSES.

Maintenance of way and structures		$3,500 00
Maintenance of equipment		3,500 00
Conducting transportation		11,202 92
General expenses, including taxes		492 99
Total operating expenses and taxes		$18,695 91
Operating expenses and taxes per mile of road	$693 44	
Operating expenses and taxes per train mile run, for trains earning revenue, 40,000 miles	46	
Total proportion of expenses and taxes for Michigan		$18,695 91
Percentage of expenses to earnings	100	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
January 20, 1888.

MAIN LINE.

	Miles.
In Michigan, from Buttersville to Stetson	27

BRANCHES.

	Miles.	
Total length of branches owned by company		10
Total length of branches owned by company in Michigan	10	
Total length of road belonging to this company in Michigan	37	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		37

Gauge of track, 3 feet.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	3	450
Total	3	450

Crossings—railroad and highway.

Number of crossings of highways at grade in this State	11

Stations.

Number of stations on whole lines (all in Michigan)	6

Employés.

Number of persons regularly employed on all roads operated by company, including officials, (all in Michigan)	40

Classify your employés as per following list:	Number.
Baggagemen	1
Brakemen	8
Conductors	1
Engineers	4
Firemen	4
Laborers	19
Shopmen	2
Yardmen	1

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	20
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed	7

Road bed and track.

Number of track sections in Michigan	4
Average lengths of sections, miles	7
Average number of men in each section gang	4
Number of new ties put in whole line during the year	10,000
Number of new ties put in track in Michigan	10,000
Average number of new ties per mile of road	400

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	2	$6,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	3	10,000 00
Number of locomotives of 10 to 20 tons weight exclusive of tender	2	2,000 00
Total	7	$18,000 00
Number of passenger cars—8-wheel, including official cars	1	$500 00
Number of express and baggage cars	1	300 00
Number of box freight cars	1	100 00
Number of platform cars	60	6,000 00
Number of ore cars	175	25,000 00
Number of conductors' way cars	5	100 00
Total	250	$50,000 00

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Hatchet, hand and chain wheel.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 58, session laws of 1887?
None.

What pattern or patterns have you adopted for use?
Link and pin.

How are your passenger cars heated?
Coal heaters.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	18,000
Miles run by freight trains during the year	22,000
Total mileage of trains earning revenue	40,000

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of local passengers carried, earning revenue	6,433		
Total number of passengers carried, earning revenue	6,433		
Number of passengers carried one mile	77,196		
Average distance carried		12	
Average amount received from each passenger			$0 35
Average receipts per mile for local passengers			03
Average receipts per passenger per mile for all passengers			03
Estimated cost of carrying each passenger one mile			03

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of local freight carried, earning revenue	30,000		
Total tons of freight carried, earning revenue	30,000		
Total mileage of local freight		22,000	
Total freight mileage, or tons carried one mile		660,000	
Average ton haul for local freight		120	
Average ton haul for all freight		120	
Average amount received for each ton haul			$0 50
Average receipts ton per mile, for local freight			01 7-10
Average receipts ton per mile, for all freight			01 7-10
Estimated cost of carrying one ton one mile			01 7-10

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	300		300	
Flour	50		50	
Other mill products	50		50	
Hay	50		50	
Potatoes	10		10	
Products of animals:				
Live stock	10		10	
Dressed meats	10		10	
Other packing house products	30		30	
Poultry, game and fish	10		10	
Products of forest:				
Lumber	500		500	
Logs	28,630		28,630	
Shingles	100		100	
Manufactures:				
Petroleum and other oils	5		5	
Sugar	15		15	
Iron and steel rails	5		5	
Other castings and machinery	15		15	
Wagons, carriages, tools, etc.	5		5	
Household goods and furniture	5		5	
Merchandise	200		200	
Total tonnage	30,000		30,000	

ADDITIONAL QUESTIONS.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?
27 miles.

STATE OF MICHIGAN, }
COUNTY OF MASON, } ss.

M. F. Butters, president of the Mason & Oceana Railroad Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true, full, and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. OF R. R.] Signed

M. F. BUTTERS.

Subscribed and sworn to before me this 25th day of January, A. D. 1896.

[L. S.]

GEO. N. STRAY,
Notary Public, Mason County, Mich.

ANNUAL REPORT

OF THE

MICHIGAN AIR LINE RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed April 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, L. J. SEARGEANT, London, England.
Vice President, W. J. SPICER, Detroit, Mich.
Secretary, CHAS. PERCY, Montreal, Quebec.
Accountant, J. H. MUIR, Detroit, Mich.
General Manager, W. J. SPICER, Detroit, Mich.
Superintendent, A. B. ATWATER, Detroit, Mich.
Mechanical Superintendent, H. ROBERTS, Detroit, Mich.
Chief Engineer, GEO. MASSON, Detroit, Mich.
Traffic Manager, GEO. B. REEVE, Chicago, Ill.
General Passenger Agent, W. E. DAVIS, Chicago, Ill.
General Freight Agent, DAVID BROWN, Chicago, Ill.
Attorney, E. W. MEDDAUGH, Detroit, Mich.

DIRECTORS.

L. J. SEARGEANT, London, England.
W. J. SPICER, Detroit, Mich.
JOHN BELL, Belleville, Ont.
E. W. MEDDAUGH, Detroit, Mich.
J. H. MUIR, Detroit, Mich.
Terms expire September, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: November 18, 1875.
Number of stockholders at date of last election: 8.
Number of stockholders in Michigan at same date: 2.
Amount of full paid stock held in Michigan at same date: $1,000.00.
Date of annual meeting of stockholders: Last Wednesday in September.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$175,483 58
Total expenses, including taxes	$151,797 74	
Net income	--	23,685 84
Interest on funded debt	$75,433 34	
Balance for the year, deficit	$51,747 50	
Items not included in above, as follows:		
Contribution from Grand Trunk Railway towards interest liabilities		51,747 50

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$1,500,000 00
Par value of shares		$100 00	
Number of shares issued	3,000		
Amount paid in on common		$300,000 00	
Total amount paid in, as per books of the company			$300,000 00
Paid in per mile of road owned by company, 105.60 miles			2,840 91

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage, Jan., 1882	5%	Jan., 1902	London, England	$1,508,666 67

UNFUNDED DEBT.

Total unfunded debt	$47,463 68

RECAPITULATION.

Total funded debt	$1,508,666 67
Total unfunded debt	47,463 68
Total debt liabilities	$1,556,130 35
Amount of debt liabilities per mile of road, 105.60 miles	14,736 08
Total amount of stock and debt	1,856,130 35
Stock and debt per mile of road, 105.60 miles	17,576 94

GENERAL BALANCE SHEET.—Dr.

Construction account } Equipment account }		$1,818,097 33
Other assets:		
Debit balances from companies and individuals		38,033 02
Total		$1,856,130 35

GENERAL BALANCE SHEET.—Cr.

Capital stock	$300,000 00	
Funded debt	1,508,666 67	
		$1,808,666 67
Unfunded debt:		
Dividends unpaid	$37,716 67	
Vouchers and accounts	9,747 01	
		47,463 68
Total		$1,856,130 35

COST OF ROAD AND EQUIPMENT.

PURCHASED BY PRESENT COMPANY.

When purchased: November, 1875.

Original cost to present company of road and equipment	$300,000 00
Amount expended since purchase, account of construction	1,517,097 33
Amount expended since purchase, account of equipment	1,000 00
Total cost to date of report	$1,818,097 33
Average cost per mile of road (not including sidings)	17,216 83
Proportion of cost for Michigan	17,216 83

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$31,801 56	
Through fares	37 54	
Total passenger fares	$31,839 10	
Express and baggage	2,499 96	
Mails	9,008 08	
Total passenger department earnings		$43,347 14
Per train mile	$0 49	
Per mile of road	410 48	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$118,057 31	
Through traffic	11,992 90	
Total traffic	$130,050 21	
Total freight department earnings		130,050 21
Per train mile	$1 05	
Per mile of road	1,231 54	
Total transportation earnings, entire line		$173,397 35
Transportation earnings per mile of road	$1,642,03	
Transportation earnings per train mile	82	
Miscellaneous receipts from operating account, other than for transportation:		
From rents of tracks, yards and terminals	$2,000 00	
From rents not otherwise provided for	86 23	
		2,086 23
Total		$175,483 58
Total earnings from operation of road		$175,483 58
Total earnings per mile of road		1,661 78
Total earnings per train mile		88
Proportion of taxable earnings for Michigan		175,483 58
Total taxable earnings per mile of road in Michigan		1,661 78
Total income from all sources		$175,483 58
Proportion of income for Michigan		175,483 58

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$24,670 18
Renewals of rails	10,843 98
Renewals of ties	9,103 96
Repairs and renewals of bridges and culverts	12,713 47
Repairs and renewals of fences, road crossings, signs and cattle guards	3,160 93
Repairs and renewals of buildings and fixtures	1,805 09
Total	$62,306 61

MAINTENANCE OF EQUIPMENT.

Repairs and renewals of locomotives	$2,887 92
Repairs and renewals of passenger cars	2,047 29
Repairs and renewals of freight cars	6,436 73
Repairs and renewals of shop machinery and tools	437 07
Total	$11,809 01

CONDUCTING TRANSPORTATION.

Engine and roundhouse men	$18,565 88
Fuel for locomotives	15,505 98
Water supply for locomotives	605 08
Oil, tallow and waste for locomotives	226 25
Train service	14,172 11
Train supplies and expenses	1,080 97
Switchmen, flagmen and watchmen	3,196 13
Telegraph expenses	4,780 67
Station service	10,850 44
Station supplies	1,263 43
Loss and damage	593 59
Injuries to persons	26 96
Advertising	240 00
Stationery and printing	1,233 16
Other expenses	173 86
Total	$72,516 50

GENERAL EXPENSES.

Salaries of general officers	$120 00
Salaries of clerks and attendants	280 00
Insurance	449 79
Law expenses	400 00
Taxes	3,915 83
Total	$5,165 62

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	41.05	$62,306 61
Maintenance of equipment	7.78	11,809 01
Conducting transportation	47.77	72,516 50
General expenses, including taxes	3.40	5,165 62
Total operating expenses and taxes	100	$151,797 74
Operating expenses and taxes per mile of road		1,437 48
Operating expenses and taxes per train mile run, for trains earning revenue, 213,101 miles	$0 71.569	
Total proportion of expenses and taxes for Michigan		$151,797 74
Percentage of expenses to earnings 86.50.		
Net earnings per mile of road		224 30
Net earnings per train mile	$0 11.167	

DESCRIPTON OF ROAD.

Date when the road was opened for use between its present termini:
From Lenox to Jackson, September 1, 1884.

MAIN LINE.

	Miles.
In Michigan, from Lenox to Jackson	105.60
Total length of road belonging to this company in Michigan	105.60
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	9.41
Aggregate length of tracks in Michigan belonging to this company, computed as single track	115.01

Gauge of track, 4 feet 8½ inches.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	2	151
Iron bridges	1	70
Wooden trestles	60	4,716
Total	63	4,937

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Detroit & Bay City R. R. near Rochester.
Detroit, Grand Haven & Milwaukee R. R. at Pontiac.
Flint & Pere Marquette R. R. at Wixom.
Toledo, Ann Arbor & North Michigan R. R. at Hamburg.
Detroit, Lansing & Northern R. R. at South Lyons.
Jackson, Lansing & Saginaw R. R. near Jackson.

At what crossings are interlocking and derailing switches in operation?
At the crossing of the Bay City division of the Michigan Central railroad near Rochester, and the Jackson, Saginaw & Lansing division of the Michigan Central railroad at Jackson.

What pattern or patterns have you adopted?
Union switch and signal.

Number of crossings of highway at grade in this State	131
Number of crossings of highways at grade in this State at which there are gates or flagmen	1
Numbers of crossings of highways over or under railroad: (over 2)	2
Number of highway bridges 18 feet above track	3

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Filled with wooden planking.

Stations.

Number of stations on whole lines (all in Michigan)	2

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan)	157
Classify your employés per following list:	Number.
Baggagemen	4
Brakemen	16
Conductors	9
Engineers	4
Firemen	4
Laborers	66
Shopmen	1
Yardmen	2
Others	51

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	215

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed: None.

Road bed and track.

Number of track sections in Michigan	14
Average lengths of sections (miles)	7
Average number of men in each section gang	4
Number of new ties put in whole line during the year	31,420
Number of new ties put in track in Michigan	296

Bridges and culverts.

Amount of trestle work replaced with earth during the year (linear feet)	365
Timber culverts replaced during the year:	
With iron pipe, number	6

ROLLING STOCK.

	Number.
Number of box freight cars	18
Number ofplatform cars	5
Total	23

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse air brake.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Jannev automatic.

How are your passenger cars heated?
Baker heater.

MILEAGE TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	70,505
Miles run by freight trains during the year	71,655
Miles run by mixed trains	69,941
Total mileage of trains earning revenue	212,101

Passenger traffic.—Road all in State of Michigan.

	Number.	Miles.	Rate.
Number of through passengers carried, earning revenue	22		
Number of local passengers carried, earning revenue	87,255		
Total number of passengers carried, earning revenue	87,277		
Number of passengers carried one mile	1,142,636		
Average distance carried		13.09	
Average amount received from each passenger			$0 36.481
Average receipts per mile for through passengers			01.647
Average receipts per mile for local passengers			02.789
Average receipts per passenger per mile for all passengers			02.786

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	18,481		
Number of tons of local freight carried, earning revenue	252,587		
Total tons of freight carried, earning revenue	271,068		
Total mileage of through freight		1,959,019	
Total mileage of local freight		13,995,037	
Total freight mileage or tons carried one mile		15,954,056	
Average ton haul for through freight		106	
Average ton haul for local freight		55.41	
Average ton haul for all freight		58.86	
Average amount received for each ton haul			$0 47.977
Average receipts ton per mile, for through freight			00.612
Average receipts ton per mile, for local freight			00.844
Average receipts ton per mile, for all freight			00.815

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	17,288	453	17,741	6.55
Flour	35,625	49	35,674	13.16
Other mill products	382	134	516	.11
Hay	4,561	63	4,624	1.70
Tobacco	6	23	29	.01
Cotton	20,871	----------	20,871	7.70
Fruit and vegetables / Potatoes	4,434	129	4,563	1.69
Products of animals:				
Live stock	4,907	111	5,018	1.85
Dressed meats	22	1	23	.01
Other packing house products	22	3	25	.01
Poultry, game and fish	40	----------	40	.02
Wool	493	93	586	.22
Hides and leather	26	19	45	.02
Products of mines:				
Anthracite coal	8,003	15,845	23,848	8.80
Bituminous coal	11,136	10,629	21,765	8.03
Coke	1,313	14	1,327	.50
Stone, sand and other like articles	120	1,472	1,592	.60
Products of forest:				
Lumber / Logs / Shingles	42,237	2,435	44,672	16.48
Manufactures:				
Petroleum and other oils	1,365	258	1,623	.60
Sugar	39	511	550	.20
Naval stores	----------	4	4	----------
Iron, pig and bloom	7,654	59	7,713	2.85
Iron and steel rails	2,073	----------	2,073	.77
Other castings and machinery	799	349	1,148	.43
Bar and sheet metal	7	97	104	.04
Cement, brick and lime	4,091	1,532	5,623	2.08
Agricultural implements	897	391	1,288	.48
Wagons, carriages, tools, etc.	922	190	1,112	.42
Wines, liquors and beers	144	79	223	.08
Household goods and furniture	245	139	384	.15
Merchandise	9,449	23,819	33,268	11.90
Miscellaneous:				
Other commodities not mentioned above	20,347	13,649	33,996	12.54
Total tonnage	199,518	71,550	271,068	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

The National Express Company

Terms—$2,500 per annum for a minimum weight of $3,000 lbs, daily, carried entire length of road; excess weight at same rate per 100 lbs. Freight received at depot.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

105.60 miles; Western Union Telegraph Co.

Fast freight lines.

To what fast freight lines or other transportation companies, running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid?

Name of company.	General office.	Amount paid.
Armour Car Lines	Chicago, Ill.	$30 37
Chicago Refrigerator Car Co.	Chicago, Ill.	20 94
Chicago, New York & Boston Refrigerator Line	Boston, Mass.	78 03
Eureka Transportation Co.	Indianapolis, Ind.	32 78
Hammond Refrigerator Line	Hammond, Ind.	1 53
Merchants' Despatch Transportation Co.	New York, N. Y.	95 73
Mather Horse Car Co.	Chicago, Ill.	51
National Car Co.	St. Albans, Vt.	763 50
Chicago, Boston & Liverpool	St. Albans, Vt.	95 59
Streets' Western Stable Car Line	Chicago, Ill.	1 02
Swifts' Refrigerator Line	Chicago, Ill.	6 83

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

INJURED.

November 27, C. E. Lants, citizen, Jackson. Highway collision; lack of caution.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

William J. Spicer, general manager, and James H. Muir, accountant, of the Michigan Air Line Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed

W. J. SPICER, *General Manager.*
JAS. H. MUIR, *Accountant.*

Subscribed and sworn to before me this 30th day of March, A. D. 1896.

[L. S.] LAWRENCE F. LANG,
Notary Public in and for Wayne Co., Mich.

ANNUAL REPORT

OF THE

MICHIGAN CENTRAL RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

Chairman, C. VANDERBILT, New York City.
President, H. B. LEDYARD, Detroit, Mich.
Vice President and Secretary, E. D. WORCESTER, New York City.
Auditor, A. J. BURT, Detroit, Mich.
Treasurer, D. A. WATERMAN, New York City.
General Manager, H. B. LEDYARD, Detroit, Mich.
General Superintendent, ROBERT MILLER, Detroit, Mich.
Assistant General Superintendent, R. H. L'HOMMEDIEU, Detroit, Mich.
Division Superintendents:
D. S. SUTHERLAND, Detroit, Mich.
O. F. JORDAN, Jackson, Mich.
W. J. MARTIN, Bay City, Mich.
J. H. SNYDER, Chicago, Ill.
J. B. MORFORD, St. Thomas, Ont.
Chief Engineer, A. TORREY, Detroit, Mich.
Superintendent of Telegraph, E. E. TORREY, Detroit, Mich.
Local Treasurer, J. E. GRIFFITHS, Detroit, Mich.
General Passenger and Ticket Agent, O. W. RUGGLES, Chicago, Ill.
General Freight Agent, B. B. MITCHELL, Detroit, Mich.
General Counsel, ASHLEY POND, Detroit, Mich.
General Attorney, HENRY RUSSEL, Detroit, Mich.

DIRECTORS.

C. VANDERBILT, New York City.
W. K. VANDERBILT, New York City.
F. W. VANDERBILT, New York City.
H. B. LEDYARD, Detroit, Mich.
E. D. WORCESTER. New York City.
S. F. BARGER, New York City.
C. M. DEPEW, New York City.
ASHLEY POND, Detroit, Mich.
F. S. WINSTON, Chicago, Ill.
Terms expire May, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: March 28, 1846.
Number of stockholders at date of last election: 1,458.
Number of stockholders in Michigan at same date: 28.
Amount of full paid stock held in Michigan at same date: $120,100.
Date of annual meeting of stockholders: Thursday following first Wednesday in May.
Fiscal year of company ends December 31.
General offices of the company are located at New York City, Grand Central Station; Detroit, Mich., foot of Third street; Chicago, Ill., Monadnock Building.

GENERAL EXHIBIT.

		Debit.	Credit.
Total earnings from operation			$13,651,420 61
Total expenses, including taxes		$10,183,231 31	
Net income or deficit			$3,468,189 30
Interest on funded debt { Michigan Central	$660,000 00		
Interest on funded debt { leased lines	407,800 00		
		$1,067,800 00	
Rentals of leased lines and Canada Southern interest		1,334,401 28	
Canada Southern proportion of net earnings		304,715 21	
			2,706,916 49
Balance applicable to dividends			$761,272 81
Dividends declared (4 per cent)			$749,520 00
Balance for the year			11,752 81
Balance (profit and loss) last year			7,092,149 53
Items not included in above			49,077 33
Balance forwarded to next year			$7,152,979 66

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association: Not limited.			
Par value of shares	$100 00		
Number of shares issued	137,380		
Amount paid in on common		$13,738,000 00	
Total amount paid in, as per books of the company			$13,738,000 00
Paid in per mile of road owned by company, 270.07 miles			69,382 77

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
Bonds, Michigan Central Railroad, proper:				
Consolidated first mortgage, May 1, 1872	7%	May 1, 1902	New York City	$8,000,000 00
Consolidated first mortgage, Nov. 1, 1882	5%	May 1, 1902	" " "	2,000,000 00
Total Michigan Central proper				$10,000,000 00
Bonds issued by the Michigan Central Railroad Company, account of respective leased lines:				
Grand River Valley R. R.:				
General first mortgage, Sept. 1, 1879	6%	Sept. 1, 1909	New York City	$500,000 00
General first mortgage, March 1 1886	6%	Sept. 1, 1909	" " "	1,000,000 00
Detroit & Bay City R. R.:				
General first mortgage, March 1, 1886	5%	March 1, 1931	" " "	3,576,000 00
Kalamazoo & South Haven R. R.:				
General first mortgage, Nov. 1, 1889	5%	Nov. 1, 1939	" " "	700,000 00
Michigan Air Line R. R.:				
General first mortgage, Jan. 1, 1890	4%	January 1, 1940	" " "	2,600,000 00
Total leased lines				$8,376,000 00
Total funded debt				$18,376,000 00

UNFUNDED DEBT.

For what incurred?	Is the same to be funded or how liquidated?	Amount.
For miscellaneous		$3,347,676 39

RECAPITULATION.

Total funded debt, M. C. proper	$10,000,000 00
Total unfunded debt	2,347,676 39
Total debt liabilities, M. C. proper	$12,347,676 39
Amount of debt liabilities per mile of road, 270.07 miles	45,720 28
Total amount of stock and debt, M. C. proper	31,085,676 39
Stock and debt per mile of road, 270.07 miles	115,102 29

GENERAL BALANCE SHEET.—Dr.

Construction account, includes amount expended, account construction leased lines		$42,378,411 11
Other investments:		
Advanced on account of land purchased in construction of Detroit Belt Line	$258,925 32	
Sundry securities	670,696 25	
		929,621 57
Cash items:		
Cash	$1,196,008 52	
Due from agents	206,097 43	
		1,402,105 95
Other assets:		
Materials and supplies	$1,348,645 40	
Debit balances from companies and individuals	555,872 02	
		1,904,517 42
Total		$46,614,656 05

GENERAL BALANCE SHEET.—Cr.

Capital stock		$18,738,000 00
Funded debt:		
Bonds, Michigan Central R. R. proper		10,000,000 00
Bonds issued, account of leased lines		8,376,000 00
Unfunded debt:		
Interest unpaid	$58,715 00	
Dividends unpaid	4,831 00	
Notes payable	500,000 00	
Vouchers and accounts	646,413 80	
Other liabilities:		
Pay roll	479,710 43	
Dividend No. 67, due February 1, 1896	374,760 00	
Accrued interest of 1895, due in 1896	283,246 17	
		2,347,676 39
Profit and loss or income accounts		7,152,979 66
Total		$46,614,656 05

COST OF ROAD AND EQUIPMENT.

PURCHASED BY PRESENT COMPANY.

When purchased: September 24, 1846.	
Original cost to present company of road and equipment	$2,000,000 00
Amount expended since purchase, account of construction } Amount expended since purchase, account of equipment }	29,116,257 09
Total cost to date of report	31,116,257 09
Average cost per mile of road (not including sidings) 270.07 miles	115,215 53
Proportion of cost for Michigan, 221 miles	25,462,632 13

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

	Local fares.	Through fares.	Total passenger fares.	Express and baggage.	Mails.	Other sources.	Total.	Per train mile.	Per mile of road.
Main line	$904,248 70	$361,824 06	$1,266,072 78	$194,540 75	$116,926 91		$1,577,540 44		$7,138 19
Leased or proprietary roads:									
Michigan Air Line R. R.	53,672 45	19 77	53,692 22	2,477 79	13,209 55		69,379 56		635 98
Joliet & Northern Indiana R. R.									
Grand River Valley R. R.	119,135 33	6,659 22	125,794 56	4,170 80	15,384 82		145,349 68		1,734 86
Jackson, Lansing & Saginaw R. R.	417,319 77	2,947 37	420,267 14	14,384 80	42,781 43		477,433 37		1,478 89
Kalamazoo & South Haven R. R.	28,110 07	174 09	28,284 16	1,266 68	2,867 06		32,418 10		820 71
Detroit & Bay City R. R.	187,090 78	6,039 34	193,130 12	11,279 67	25,982 50		230,391 69		1,486 40
Toledo, Canada So. & Detroit R'y	125,927 69	5,165 42	131,093 11	6,950 56	18,390 06		156,433 73		3,309 37
Canada Southern R'y (in Canada)									
Michigan Midland & Canada R. R.	5,347 15		5,347 15	122 64	810 34		6,180 03		420 98
Canada Southern Bridge Co.	1,414 03		1,414 03		103 04		1,517 07		414 50
Saginaw Bay & Northwestern R. R.	7,950 88		7,950 88		1,193 54		9,144 27		110 45
Battle Creek & Sturgis R'y	10,013 15		10,013 15	119 57	1,886 90		12,019 62		355 61
Bay City & Battle Creek R'y	4,213 94		4,213 94		860 98		5,074 93		281 94
Detroit, Delray & Dearborn R. R.	78 77		78 77				78 77		16 27
Total passenger department earnings	$1,864,422 66	$382,829 30	$2,247,251 96	$235,312 36	$140,397 03		$2,722,961 35	$1 03	$2,396 28

FREIGHT EARNINGS.

	Local traffic.*	Through traffic.*	Total traffic.	Other sources, freight department.	Total.	Per train mile.	Per mile of road.
Main line			$2,569,427 45		$2,569,427 45		$11,626 37
Leased or proprietary roads:							
Michigan Air Line R. R.			222,239 80		222,239 80		2,087 08
Joliet & Northern Indiana R. R.							
Grand River Valley R. R.			130,965 48		130,965 48		1,563 02
Jackson, Lansing & Saginaw R. R.			791,960 38		791,960 38		2,453 65
Kalamazoo & South Haven R. R.			24,700 94		24,700 94		635 34
Detroit & Bay City R. R.			421,265 92		421,265 92		2,717 84
Toledo, Canada Southern & Detroit R'y			565,060 67		565,060 67		11,953 90
Canada Southern R'y (in Canada)							
Michigan Midland & Canada R. R.			1,893 96		1,893 96		129 02
Canada Southern Bridge Co.			331 36		331 36		90 54
Saginaw Bay & Northwestern R. R.			29,615 60		29,615 60		357 72
Battle Creek & Sturgis R'y			7,343 75		7,343 75		217 27
Bay City & Battle Creek R'y			2,793 67		2,793 67		155 20
Detroit, Delray & Dearborn R. R.							
Total freight department earnings			$4,767,598 98		$4,767,598 98	$1 43	$4,195 61

*Cannot furnish this information for this report, but will for report of 1896.

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

	Local fares.	Through fares.	Total passenger fares.	Express and baggage.	Mails.	Other sources.	Total.	Per train Mile.	Per mile of road.
Main line	$1,252,016 98	$375,373 50	$1,627,390 48	$250,059 69	$150,296 05		$2,027,746 22		$7,138 19
Leased or proprietary roads:									
Michigan Air Line R. R.	56,653 01	21 56	56,674 57	2,615 42	13,943 28		73,233 27		635 93
Joliet & Northern Indiana R. R.	15,199 62	38 56	15,238 18	695 74	1,934 41		17,868 33		397 07
Grand River Valley R. R.	119,135 23	6,659 23	125,794 56	4,170 30	15,284 82		145,349 68		1,734 86
Jackson, Lansing & Saginaw R. R.	417,319 77	2,947 37	420,267 14	14,284 80	42,781 43		477 433 37		1,478 89
Kalamazoo & South Haven R. R.	28,110 07	174 09	28,284 16	1,266 88	2,867 06		32,418 10		820 71
Detroit & Bay City R. R.	187,090 78	6,039 34	193,130 12	11,276 07	25,982 50		230,391 69		1,486 40
Toledo, Canada So. & Detroit R'y	157,419 04	5,982 83	163,401 87	8,663 57	22,922 41		194,987 85		3,309 37
Canada Southern R'y (in Canada)	625,286 41	387,116 14	1,012,402 55	115,283 29	41,843 84		1,170,529 68		3,080 02
Michigan Midland & Canada R. R.	5,247 15		5,247 15	122 64	810 24		6,180 03		420 98
Canada Southern Bridge Co.	1,414 03		1,414 03		103 04		1,517 07		414 50
Saginaw Bay & Northwestern R. R.	7,950 83		7,950 83		1,193 54		9,144 37		110 45
Battle Creek & Sturgis R'y	10,013 15		10,013 15	119 57	1,886 90		12,019 62		355 61
Bay City & Battle Creek R'y	4,313 94		4,313 94		860 98		5,074 92		281 94
Detroit, Delray & Dearborn R. R.	78 77		78 77				78 77		16 27
Total passenger department earnings	$2,888,148 88	$781,352 62	$3,672,501 50	$408,660 97	$322,810 50		$4,403,972 97	$1 05	$2,681 83

FREIGHT EARNINGS.

	Local traffic.	Through traffic.	Total traffic.	Other sources, freight department.	Total.	Per train mile.	Per mile of road.
Main line	$1,584,562 32	$1,718,140 20	$3,302,702 52	.....	$3,302,702 52	.....	$11,626 37
Leased or proprietary roads:							
Michigan Air Line R. R.	159,425 60	75,158 59	234,584 19	.....	234,584 19	.....	2,037 03
Joliet & Northern Indiana R. R.	80,166 56	44,992 68	125,159 24	.....	125,159 24	.....	2,781 32
Grand River Valley R. R.	88,217 46	42,748 02	130,965 48	.....	130,965 48	.....	1,563 02
Jackson, Lansing & Saginaw R. R.	753,962 77	37,997 61	791,960 38	.....	791,960 38	.....	2,452 65
Kalamazoo & South Haven R. R.	21,717 96	2,982 98	24,700 94	.....	24,700 94	.....	635 84
Detroit & Bay City R. R.	345,274 90	75,991 02	421,265 92	.....	421,265 92	.....	2,717 84
Toledo, Canada Southern & Detroit R'y	585,962 08	118,360 46	704,322 54	.....	704,322 54	.....	11,953 90
Canada Southern R'y (in Canada)	1,688,288 61	1,712,035 21	3,400,323 82	.....	3,400,323 82	.....	8,947 28
Michigan Midland & Canada R. R.	1,893 96	.....	1,893 96	.....	1,893 96	.....	129 02
Canada Southern Bridge Co.	331 36	.....	331 36	.....	331 36	.....	90 54
Saginaw Bay & Northwestern R. R.	29,615 60	.....	29,615 60	.....	29,615 60	.....	357 72
Battle Creek & Sturgis R'y	7,343 75	.....	7,343 75	.....	7,343 75	.....	217 27
Bay City & Battle Creek R'y	2,793 67	.....	2,793 67	.....	2,793 67	.....	155 20
Detroit, Delray & Dearborn R. R.	.....	.....	.....	.....	.....	.....	.....
Total freight department earnings	$5,349,557 60	$3,828,406 77	$9,177,964 37	.....	$9,177,964 37	$1 59	$5,588 99

Total transportation earnings, entire line		$13,581,937 34
Transportation earnings per mile of road	$8,270 83	
Transportation earnings per train mile	1 10	
Miscellaneous receipts from operating account, other than for transportation:		
From other sources		69,483 27

Distribution of miscellaneous earnings between main line and leased or proprietary roads:

Company:	Total miscellaneous.	Proportion for Michigan.
Michigan Central R. R.	$55,795 23	$48,407 42
Michigan Air Line R. R.	123 48	116 98
Joliet & Northern Indiana R. R.	119 00	------
Grand River Valley R. R.	209 45	209 45
Jackson, Lansing & Saginaw R. R.	6,832 27	6,832 27
Kalamazoo & South Haven R. R.	15 00	15 00
Detroit & Bay City R. R.	1,063 62	1,063 62
Toledo, Canada Southern & Detroit R'y	553 11	443 75
Michigan Midland & Canada R. R.	1 00	1 00
Canada Southern Bridge Co.	227 87	227 87
Saginaw Bay & Northwestern R. R.	10 00	10 00
Battle Creek & Sturgis R'y	4 00	4 00
Bay City & Battle Creek R'y	2 00	2 00
Canada Southern R'y (in Canada)	4,527 24	------

Total earnings from operation of road		$13,651,420 61
Total earnings per mile of road	$8,313 14	
Total earnings per train mile	1 20	
Proportion of taxable earnings for Michigan:		
Michigan Central R. R.	$4,190,375 81	
Michigan Air Line R. R.	291,736 94	
Grand River Valley R. R.	276,524 61	
Jackson, Lansing & Saginaw R. R.	1,276,226 02	
Kalamazoo & South Haven R. R.	57,134 04	
Detroit & Bay City R. R.	652,721 23	
Toledo, Cadada Southern & Detroit R'y	721,938 15	
Michigan Midland & Canada R. R.	8,074 99	
Canada Southern Bridge Co.	2,076 30	
Saginaw Bay & Northwestern R. R.	38,769 97	
Battle Creek & Sturgis R'y	19,367 37	
Bay City & Battle Creek R'y	7,870 59	
Detroit, Delray & Dearborn R. R.	78 77	
Proportion of taxable earnings for Michigan	$7,542,893 69	
Total taxable earnings per mile of road in Michigan	6,637 94	
Income other than from earnings		49,077 33
Total income from all sources		$13,700,497 94
Proportion of income for Michigan		7,542,993 69

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$1,059,219 20
Renewals of rails	68,373 80
Renewals of ties	179,600 85
Repairs and renewals of bridges and culverts	161,573 18
Repairs and renewals of fences, road crossings, signs and cattle guards	139,471 32
Repairs and renewals of buildings and fixtures	147,497 43
Repairs and renewals of docks and wharves	10,503 56
Repairs and renewals of telegraph	20,642 96
Stationery and printing	1,907 42
Other expenses	18,811 04
Total	$1,807,600 76

MAINTENANCE OF EQUIPMENT.

Superintendence	$53,574 16
Repairs and renewals of locomotives	378,515 71
Repairs and renewals of passenger cars	190,793 84
Repairs and renewals of freight cars	648,395 90
Repairs and renewal of marine equipment	18,411 46
Repairs and renewals of shop machinery and tools	12,829 51
Stationery and printing	2,275 64
Other expenses	46,125 37
Total	$1,355,922 09

CONDUCTING TRANSPORTATION.

Superintendence	$151,811 94
Engine and roundhouse men	961,493 65
Fuel for locomotives	1,096,622 47
Water supply for locomotives	49,735 85
Oil, tallow and waste for locomotives	33,901 42
Other supplies for locomotives	5,006 50
Train service	706,787 17
Train supplies and expenses	219,756 01
Switchmen, flagmen and watchmen	453,778 82
Telegraph expenses	225,931 47
Station service	855,296 81
Station supplies	78,825 60
Car mileage—balance	453,455 32
Loss and damage	40,011 94
Injuries to persons	53,084 83
Clearing wrecks	3,570 60
Operating marine equipment	79,395 71
Advertising	133,335 95
Outside agencies	161,806 86
Stock yards and elevators (included in other operating account).	
Rent of buildings and other property	564,255 31
Stationery and printing	63,169 80
Other expenses	30,744 67
Total	$6,421,778 70

GENERAL EXPENSES.

Salaries of general officers	$72,400 00
Salaries of clerks and attendants	89,084 77
General office expenses and supplies	7,291 90
Insurance	12,024 53
Law expenses	59,103 35
Stationery and printing (general offices)	5,178 34
Other expenses	50,348 98
Taxes	302,498 89
Total	$597,929 76

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	17.74	$1,807,600 76
Maintenance of equipment	13.32	1,355,922 09
Conducting transportation	63.06	6,421,778 70
General expenses, including taxes	5.88	597,929 76
Total operating expenses and taxes	100	$10,183,231 31
Operating expenses and taxes per mile of road		$6,201 16
Operating expenses and taxes per train mile run, for trains earning revenue, 10,478,438 miles		97

PROPORTION OF OPERATING EXPENSES AND TAXES FOR MICHIGAN.

Main line	$3,262 947 87
Leased or proprietary roads:	
Michigan Air Line R. R.	227,342 58
Grand River Valley R. R.	164,374 01
Jackson, Lansing & Saginaw R. R.	1,159,178 37
Kalamazoo & South Haven R. R.	43,773 86
Detroit & Bay City R. R.	494,176 04
Toledo, Canada Southern & Detroit R'y	415,227 24
Michigan Midland & Canada R. R.	14,235 52
Canada Southern Bridge Co.	19,319 64
Saginaw Bay & Northwestern R. R.	114,901 01
Battle Creek & Sturgis R'y	7,177 76
Bay City & Battle Creek R'y	4,067 29
Detroit, Delray & Dearborn R. R.	456 52
Total proportion of expenses for Michigan	$6,027,177 71
Percentage of expenses to earnings	74.59
Net earnings per mile of road	2,111 98
Net earnings per train mile	33.098

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini
From Detroit, Mich., to Chicago, Ill., May, 1852.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Detroit, Mich., to State line	221.00	
In Indiana, from Michigan State line to Illinois State line	43.00	
In Illinois, from Indiana State line to Kensington	6.07	
Total length completed	----	270.07
Length of double track on the main line	133.40	
Total length of road belonging to this company		270.07
Total length of road belonging to this company in Michigan	221.00	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	186.44	
Aggregate length of tracks in Michigan belonging to this company computed as single track		407.44

Gauge of track, 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

Name, description and length of each:	Total miles.	In Michigan.
Chicago & Kensington	14.00	----------
Michigan Air Line R. R.	115.16	109.10
Joliet & Northern Indiana R. R.	45.00	----------
Grand River Valley R. R.	83.79	83.79
Jackson, Lansing & Saginaw R. R.	322.90	322.90
Kalamazoo & South Haven R. R.	39.50	39.50
Detroit & Bay City R. R.	155.00	155.00
Michigan Midland & Canada R. R.	14.68	14.68
Canada Southern Bridge Co.	3.66	3.66
Saginaw Bay & Northwestern R. R.	82.79	83.79
Battle Creek & Sturgis R'y	33.80	33.80
Bay City & Battle Creek R'y	18.00	18.00
Toledo, Canada Southern & Detroit R'y	58.92	47.27
Detroit, Delray & Dearborn R. R.	4.84	4.84
Canada Southern R'y (in Canada)	330.04	----------
Total	1,372.08	915.33
Total miles operated by the company	1,642.15	1,186 33

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	206	17,851
Stone bridges	13	187
Iron bridges	37	5,118
Combination bridges	13	5,724
Wooden trestles	21	3,272
Total	290	32,152

Draw bridges in Michigan.

How many on your line? 10

Where located, when built, and length of draw span:	Feet.
St. Charles, over Bad River, built in 1881	37½
Paines, over Tittabawassee River, rebuilt 1890 and 1891	106
South of West Bay City, over Saginaw River (west channel and middle ground), 1889	131
South of West Bay City, over Squaconning Creek, 1884	34
Bay City, over Saginaw River, 1881	51
East Saginaw, over Saginaw River, 1886	188
Kawkawlin, over Kawkawlin River, 1890 and 1891	190
Grosse Isle, over Detroit River, 1884 and 1893	340½
South of Woodmere, over Rouge River, 1887	160
South of Rockwood, over Huron River, 1881	128

Character of structure:
Iron, wood and stone piers.

Material of which constructed:
Iron, wood and stone.

Height above water, and depth of water under bridge:
From 15 to 30 feet.

How swung, by engine or hand power?
One by engine, all others by hand.

Approaches straight or curved?
Straight.

Do you require all trains to come to full stop before crossing a draw, and how are they signaled?
Yes; by bridge tender.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what **locality?**
Lake Shore & Michigan Southern Railroad, at West Detroit, **Albion, Kalamazoo, Jackson, Homer,** Three Rivers, south end of Junction yard, Detroit, Woodward **avenue, Detroit, and Eaton Rapids.**
Wabash Railroad, at West Detroit and Delray.
Flint & Pere Marquette Railroad, at Wayne Junction, East **Saginaw, Otter Lake, Bay City, North Sag**inaw and South Saginaw.
Detroit, Monroe & Toledo Railroad, at Detroit.
Grand Trunk Railway, at Detroit (Woodward avenue).
Detroit, Grand Haven & Milwaukee Railroad, at Milwaukee **Junction and Owosso.**
Pontiac, Oxford & Port Austin Railroad, at Oxford.
Michigan Air Line Railroad, at Rochester and Jackson.
Chicago & Grand Trunk Railway, at Lapeer, Nichols, Charlotte, **Lansing, Cassopolis and Jackson.**
Port Huron & Northwestern Railroad, at Vassar, and near East **Saginaw.**
Saginaw, Tuscola & Huron Railroad, at Reese.
Grand Rapids & Indiana Railroad, at Kalamazoo and Wasepi.
Saginaw Bay & Northwestern Railroad, at Pinconning.
Chicago & West Michigan Railroad, at Lansing and North **Lansing.**
Toledo, Ann Arbor & North Michigan Railroad, at Owosso **Junction and East Saginaw.**
Cincinnati, Jackson & Mackinaw Railroad, at Homer.
Chicago, Kalamazoo & Saginaw Railroad, at Hastings.
Toledo, Saginaw & Muskegon Railroad, at North Saginaw and **West Bay City.**
Midland & Hubbard Railroad, one-half mile east of Midland.
R. G. Peters R. R., near Grayling (Main Line and Twin Lakes **Branch.)**

What railroads cross your road either over or under your grade in this State, and where?
Over:
Detroit, Lansing & Northern R. R., Flint & Pere Marquette R. R., Wabash R. R., and Canadian Pacific R. R., at Woodbridge street, Detroit.
Toledo, Ann Arbor & North Michigan R. R., at Ann Arbor.
Flint & Pere Marquette R. R., at six miles west of Detroit.
Cincinnati, Wabash & Michigan R. R., at New Buffalo.
Cincinnati, Jackson & Mackinaw R. R., at two miles east of Augusta.

Under:
Cincinnati, Wabash & Michigan R. R., at Niles and two miles south of Niles.
Indiana & Lake Michigan R. R., at Galien.

At what crossings are interlocking and derailing switches in operation?
Lake Shore & Michigan Southern Railroad, at West Detroit, Woodward **avenue, Detroit; Albion,** Woodmere, Homer and Kalamazoo.
Flint & Pere Marquette Railroad, at Wayne Junction, one mile south of **Saginaw, one mile north of** Saginaw and Bay City.
Grand Rapids & Indiana Railroad, at Wasepi, Homer and Kalamazoo.
Chicago & Grand Trunk Railroad, at Lapeer, Cassopolis, Nichols, Lansing **and Jackson.**
Cincinnati, Jackson & Mackinaw, at C., J. & M. crossings.
Chicago, Kalamazoo & Saginaw Railroad, at Hastings.
Detroit, Lansing & Northern Railroad, at Grand Rapids.
Cincinnati, Saginaw & Mackinaw Railroad, north and south of West Bay City, and north of **Saginaw.**
Detroit, Grand Haven & Milwaukee, at Milwaukee Junction.
Wabash R. R., at West Detroit and Woodmere.
Grand Trunk R'y, at Milwaukee Junction and Woodward avenue, Detroit.
Chicago & West Michigan R. R., at Grand Junction.
Michigan Air Line R. R., at Rochester Junction.
Pontiac Oxford & Port Austin R. R., at Oxford.
R. G. Peters R. R., north of Grayling.

What pattern or patterns have you adopted?
Union Switch & Signal Co., Swissvale, Pa., pattern.

Number of crossings of highways at grade in this State	**1,333**
Number of crossings of highways at grade in this State at which there are gates or flagmen	**109**
Number of crossings at which there are electric or automatic signals	**18**

What pattern or patterns in use?
Gates—Safety Gate Co., Pneumatic Gate Co., Pennsylvania Steel Co., and Saginaw Gate Co.
Electric or Automatic Signals—Pennsylvania Steel Co., Ross & Holden, Oriel Cross Alarm Co., and Hall Signal Co.

Number of crossings of highways over or under railroad: over 36; under 17	**53**
Number of highway bridges, 18 feet above track	**27**
Number of highway bridges less than 18 feet above track	**9**

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
All angles on guard rails, frogs and leads 7¼ inches wide and under are filled with wooden blocking spiked to the ties.

Stations.

Number of stations on whole lines	506
Same in Michigan	325

Employés.

Number of persons regularly employed on all roads operated by company, including officials.	9,410
Same in Michigan	5,942
Classify your employés as per following list:	Number.
Baggagemen	79
Brakemen	615
Conductors	316
Engineers	501
Firemen	539
Laborers	2,040
Shopmen	865
Yardmen	690
Others	3,765

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	1,987

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:

	Miles.
Gladwin county	33
Total miles required	33

Road bed and track.

Number of track sections in Michigan	253
Average lengths of sections, miles	4.66
Average number of men in each section gang (this includes yards)	4
Number of new ties put in whole line during the year	392,872
Number of new ties put in track in Michigan	305,007
Average number of new ties per mile of road	270
New rails put in track: Steel, tons, 2,636.	
Total miles of track laid with new rails	20.97

Bridges and culverts.

Amount of trestle work replaced with earth during the year (linear feet)	30
	Number.
Timber culverts replaced during the year	8
With iron pipe	8

New bridges built during the year—number, 2.

No.	Location.	Kind.	Material.	Month built.	Feet in length.
	Augusta	Through plate girder	Iron	Nov. & Dec.	80
	Marshall	Deck " "	"	Oct. & Nov.	61
Total					141

ROLLING STOCK.

		Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender		409	$2,867,400 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender		52	177,100 00
Total		461	$3,044,500 00
Number of passenger cars—12-wheel, including official cars		17	$183,600 00
Number of passenger cars—8-wheel, including official cars		245	811,200 00
Number of express and baggage cars		107	223,400 00
Number of box freight cars		8,101	2,743,550 00
Number of stock cars		1,050	307,150 00
Number of platform cars		3,101	700,575 00
Number of ore cars		342	85,500 00
Number of conductors' way cars		247	111,150 00
Other cars as follows:			
School car (air brakes)	1		
Boarding	32		
Hand derricks	4		
Steam derricks	3		
Pile drivers	2		
Steam shovels	6		
Snow plow	11		
Rail saw	1		
Tool cars	73		
Stone cars	2		
Oil tanks	42		
		177	133,000 00
Total		13,387	$5,299,125 00
Number of locomotives equipped with power brakes		372	
Number of passenger-train cars equipped with power brakes		369	
Number of freight cars equipped with power brakes		4,130	

What patterns of power brakes have you in use, and number of locomotives and cars with each?

Cars—Westinghouse quick action	4,499
Locomotives—Westinghouse, 323; American steam, 49	372

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Gould.

How are your passenger cars heated?
Hot water and steam.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	4,202,690	2,635,208
Miles run by freight trains during the year	5,790,338	3,332,954
Miles run by mixed trains	484,410	319,124
Total mileage of trains earning revenue	10,478,438	6,287,286

Passenger traffic.—Entire Lines.

	Numbers.	Miles.	Rate.
Number of through passengers carried earning revenue	93,924		
Number of local passengers carried, earning revenue	2,569,217		
Total number of passengers carried, earning revenue	2,663,141		
Number of passengers carried one mile	163,092,843		
Average distance carried		61.24	
Average amount received from each passenger			$1 38
Average receipts per mile for through passengers			01.9411
Average receipts per mile for local passengers			02.3541
Average receipts per mile for all passengers			02.2511

Passenger traffic.—In state of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	93,924		
Number of local passengers carried, earning revenue	2,013,838		
Total number of passengers carried, earning revenue	2,107,762		
Number of passengers carried one mile	93,909,214		
Average distance carried		44.55	
Average amount received from each passenger			$1 07
Average receipts per mile for through passengers			02.3713
Average receipts per mile for local passengers			02.3975
Average receipts per passenger per mile for all passengers			02.3930

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	1,808,709		
Number of tons of local freight carried, earning revenue	5,662,242		
Total tons of freight carried, earning revenue	7,470,951		
Total mileage of through freight		795,979,840	
Total mileage of local freight		692,010,490	
Total freight mileage or tons carried one mile		1,487,989,830	
Average ton haul for through freight		440	
Average ton haul for local freight		122	
Average ton haul for all freight		199	
Average amount received for each ton haul			$1 22
Average receipts ton per mile, for through freight			00.481
Average ton receipts per mile, for local freight			00.773
Average receipts ton per mile, for all freight			00.617

Freight traffic.—In State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	1,753,508		
Number of tons of local freight carried, earning revenue	4,726,478		
Total tons of freight carried earning revenue	6,479,986		
Total mileage of through freight		318,944,525	
Total mileage of local freight		476,902,657	
Total freight mileage or tons carried one mile		795,847,182	
Average ton haul for through freight		182	
Average ton haul for local freight		101	
Average ton haul for all freight		123	
Average amount received for each ton haul			$0 74
Average receipts ton per mile, for through freight			00.519
Average receipts ton per mile, for local freight			00.635
Average receipts ton per mile, for all freight			00.599

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

This information cannot be given for 1895, as statistics have not been kept, but will be furnished for report of 1896.

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain			648,001	8.67
Flour			230,369	3.08
Other mill products			103,212	1.38
Hay			51,928	0.70
Tobacco			12,000	0.16
Cotton			42,960	0.58
Fruit and vegetables			59,228	0.79
Other agricultural products			117,323	1.57
Products of animals:				
Live stock			214,209	2.87
Dressed meats			174,069	2.33
Other packing house products			241,254	3.23
Poultry, game and fish			11,954	0.16
Wool			5,402	0.07
Hides and leather			20,856	0.28
Products of mines:				
Anthracite coal			209,354	6.82
Bituminous coal			765,315	10.25
Coke and charcoal			33,215	0.44
Ores			955	0.01
Stone, sand, and other like articles			316,860	4.24
Salt			89,585	1.20
Products of forest:				
Lumber			562,891	7.53
Other forest products			982,294	13.15
Manufactures:				
Petroleum and other oils			180,574	2.42
Sugar			84,464	1.13
Iron, pig and bloom			160,253	2.15
Iron and steel rails			20,216	0.27
Stoves and castings			48,095	0.64
Bar and sheet metal			72,367	0.97
Cement, lime and plaster			105,338	1.41
Agricultural implements			20,838	0.28
Other manufactures			699,922	9.37
Wines, liquors and beers			27,914	0.37
Household goods and furniture			31,570	0.42
Miscellaneous:				
Other commodities not mentioned above			826,146	11.06
Total tonnage			7,470,951	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

The American Express Company do a business over the lines of the Michigan Central Railroad Company, for which the following rates of compensation are paid, with the guarantee that said compensation will amount to not less than $22,400 per month:

On all tonnage carried.	Pay on local merchandise. Per cwt.	Pay on through or foreign merchandise. Per cwt.	Pay on all produce. Per cwt.
1 to 10 miles	$0 15	$0 10	$0 10
11 to 32 "	15	15	15
33 to 50 "	20	15	15
51 to 76 "	25	20	20
77 to 100 "	30	25	25
101 to 120 "	35	30	30
121 to 145 "	45	35	35
146 to 175 "	50	40	40
176 to 255 "	60	50	50
256 to 275 "	60	60	50
276 to 300 "	65	65	50
301 to 510 "	75	75	50
511 to 650 "	80	80	50

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

	Miles.
Michigan Central R. R.	1,284.10
M. C. R. R. & Western Union Telegraph Co.	279.00
Western Union Telegraph Co.	5,497.54
Canada Southern R'y	1,163.71
Great Northwestern Telegraph Co.	352.60
	8,576.95

Transportation Companies.

SLEEPING, DRAWING ROOM AND PALACE CAR COMPANIES.

What sleeping, drawing room, chair or other palace passenger cars, not the exclusive property of your own or some other railroad company, have, during the year, been in use on your road in the State of Michigan, and on what terms? If rented by you, or allowed mileage between local points in this State, what was the amount paid for the use of such cars during the period under report?

Pullman Palace Car Co., Chicago, Ill.	$369 91

Fast freight lines.

To what fast freight lines, or other transportation companies running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid?

Cannot furnish this information; the amount, however, is small.
See report for year 1889.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

January 11, unknown man, trespasser, Foster. Struck by train.
January 24, Thomas White, trespasser, Deep River. Struck by train.
January 27, Henry Hutton, trespasser, Grand Rapids. Struck by train.
February 3, Dan Livingston, trespasser, Ironwood. Struck by train.
February 7, unknown man, trespasser, Wayne. Struck by train.
February 15, C. Gildenban, trespasser, Three Rivers. Struck by train.
March 30, John Foley, watchman, Detroit. Struck by train; lack caution.
April 12, Chas. Binnings, trespasser, Jackson. Drunk on track.
May 8, F. L. Ross, brakeman, Chelsea. Fell off train; lack caution.
June 11, unknown man, trespasser, Mackinaw. Stealing ride; fell off train.
July 12, John Brown, trespasser, Pinconning. Attempted to cross in front of train.
July 23, John L. Petrie, Battle Creek. Struck at highway crossing; lack of caution.
July 27, Herman Cinklin, trespasser, Jackson. Asleep on track.
August 4, David Moreland, trespasser, Saginaw. Run over.
August 30, unknown man, trespasser, Michigan Centre. Run over.
August 31, —— Shay (boy) trespasser, State Road. Jumping on and off train.
September 2, P. C. Yates, trespasser, Nashville. Struck by train.
September 8, M. Kitson, brakeman, Sumitt. Fell off train; lack caution.
September 13, Frank Pippitt, engineer, Marshall. Train jumped track; accidental.
September 16, Henry Page, trespasser, Grand Junction. Stealing ride.
October 24, Fred McKinstry, brakeman, Bay City. Struck by train; lack caution.
November 13, L. H. Beecher, trespasser, Hunter's Creek. Struck by train.
November 20, Dr. F. Wyazynski, Detroit. Struck by train at highway crossing; lack caution.
November 23, Mrs. John Rocco, Ceresco. Driving across track; lack caution.
December 4, unknown woman, trespasser, Dearborn. Struck by train.
December 6, William Abernethy, helper, Gaylord. Fell from car; lack caution.
December 12, S. E. Graves, switchman, Detroit. Caught his foot and fell under train; lack caution.
December 26, T. Greist, brakeman, Albion. Fell off engine; lack caution.

INJURED.

January 9, Thomas Noonan, switchman, Bay City. Coupling; carelessness.
January 12, C. A. Brodie, brakeman, Belt Line Junction. Coupling; carelessness.
March 11, Jake Smith, trespasser, Waters. Stealing ride.
March 20, F. Silivenski (boy), trespasser, Detroit. Stealing ride.
March 26, A. McDonald, brakeman, St. Helens. Switching; lack caution.
May 8, John Most, trespasser, Columbiaville. Climbed between cars.
July 3, E. B. Hopkins, brakeman, Battle Creek. Fell while switching; accidental.
July 4, J. Patterson, trespasser, Standish. Climbed between cars.
July 26, Fred Springfield, trespasser, Cheboygan. Fooling around train.
July 27, John Fell, brakeman, Standish. Lumber falling off car; accidental.
July 28, William Bradley, trespasser, Lapeer. Stealing ride.
September 4, C. W. Sutherland, brakeman, Lapeer. Coupling; lack caution.
November 12, Joe Boyle, trespasser, Grayling, stealing ride.
November 13, B. Martin, conductor, Auburn. Train jumping track; accidental.
November 13, William Glass, passenger, Auburn. Train jumping track; accidental.
November 17, George Hartigan, trespasser, Homer. Stealing ride.
November 22, James Hunt, switchman, Junction Yards. Coupling; carelessness.
November 23, John Rocco, Ceresco. Driving across track; lack caution.
November 28, W. C. Bannister, switchman, Detroit. Coupling; carelessness.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars					5	
Derailments		1		1	1	
Falling from trains		4				
Highway crossings			3			1
Miscellaneous		1			3	
Trespassers on trains			3			7
Trespassers on tracks			16			1
Total		6	22	1	9	9

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	28
Number of persons injured during the year	19
Number of casualties purely accidental	5
Number resulting from lack of caution, carelessness or misconduct	17
Persons killed or injured while intoxicated	4
Trespassers and tramps killed or injured	21

CLASSIFICATION OF EMPLOYES.

KILLED OR INJURED IN MICHIGAN.

	Killed.	Injured.	Total.
Brakemen	4	5	9
Conductors		1	1
Engineers	1		1
Laborers	1		1
Yardmen	2	3	5
Not classified above	20	10	30
Total	28	19	47

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

H. B. Ledyard, president, and A. J. Burt, auditor, of the Michigan Central Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed, H. B. LEDYARD, *President.*
A. J. BURT, *Auditor.*

Subscribed and sworn to before me this 23d day of March, A. D. 1896.

[L. S.] SYDNEY B. WIGHT,
Notary Public in and for Wayne County.

ANNUAL REPORT

OF THE

BATTLE CREEK & STURGIS RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, H. B. LEDYARD, Detroit, Mich.
Secretary and Treasurer, A. J. BURT, Detroit, Mich.
Vice President, HENRY RUSSEL, Detroit, Mich.

DIRECTORS.

E. C. NICHOLS, Battle Creek, Mich.
C. VANDERBILT, New York City.
E. D. WORCESTER, New York City.
H. B. LEDYARD, Detroit, Mich.
ASHLEY POND, Detroit, Mich.
HENRY RUSSEL, Detroit, Mich.
A. J. BURT, Detroit, Mich.
Terms expire when successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: November 14, 1889.
Date of annual meeting of stockholders: First Wednesday in June.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit, Mich.

REMARKS.

The stock is owned and the road is operated part by the Lake Shore & Michigan Southern, and part by the Michigan Central Railroad Companies.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$1,000,000 00
Par value of shares		$100 00		
Average price received per share		100 00		
Number of shares issued	5,000			
Amount paid in on common			$500,000 00	
Total amount paid in, as per books of the company				500,000 00
Paid in per mile of road owned by company, 41 miles				12,195 12

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage December, 1, 1889	3%	Dec. 1, 1989	New York City	$500,000 00

RECAPITULATION.

Total debt liabilities	$500,000 00
Total amount of stock and debt	1,000,000 00
Stock and debt per mile of road	24,390 24

INTEREST ON THE FUNDED DEBT.

What is the amount of the same due each year $15,000 00

Was it paid for the last year? Yes.

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

The road was built by a former company, the records of which cannot be found, making it impossible to furnish this information.

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini: January, 1889.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan, Battle Creek to Findley, operated by M. C. R. R.	33.80	
Length completed in Michigan, Findley to Sturgis, operated by L. S. & M. S. R'y	7.20	
Total length completed		41.00
Total length of road belonging to this company		41.00
Total length of road belonging to this company in Michigan	41.00	
Aggregate length of sidings, spurs and other tracks not above enumerated		4.05
Same in Michigan	4.05	
Aggregate length of tracks belonging to this company computed as single track		45.05
Same in Michigan	45.05	

Gauge of track, 4 feet 8½ inches.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

H. B. Ledyard, president, and A. J. Burt, secretary, of the Battle Creek & Sturgis Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

H. B. LEDYARD, *President.*
A. J. BURT, *Secretary.*

Subscribed and sworn to before me this 23th day of March, A. D. 1896.

SYDNEY B. WIGHT,
Notary Public in and for Wayne Co.

ANNUAL REPORT

OF THE

BAY CITY & BATTLE CREEK RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES.

President, H. B. LEDYARD, Detroit, Mich.
Secretary and Treasurer, A. J. BURT, Detroit, Mich.
Vice President. HENRY RUSSEL, Detroit, Mich.

DIRECTORS.

C. VANDERBILT, New York City.
E. D. WORCESTER, New York City.
HUGH MCMILLAN, Detroit, Mich.
H. B. LEDYARD, Detroit, Mich.
ASHLEY POND, Detroit, Mich.
HENRY RUSSEL, Detroit, Mich.
A. J. BURT, Detroit, Mich.
Terms expire when successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: November 14, 1889.
Date of annual meeting of stockholders: First Wednesday in June.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit, Mich.

REMARKS.

The stock is owned and the road operated by the Michigan Central Railroad Company.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$1,000,000 00
Par value of shares		$100 00		
Average price received per share		100 00		
Number of shares issued	3,000			
Amount paid in on common			$300,000 00	
Total amount paid in, as per books of the company				300,000 00
Paid in per mile of road owned by company, 18 miles				16,666 66

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage, December 1, 1889	3%	Dec. 1, 1989	New York City	$250,000 00

RECAPITULATION.

Total debt liabilities	$250,000 00
Total amount of stock and debt	550,000 00
Stock and debt per mile of road	30,555 54

INTEREST ON THE FUNDED DEBT.

What is the amount of same due each year	$7,500 00

Was it paid for the last year? Yes.

COST OF ROAD AND EQUIPMENT.

This road was built by a former company, the records of which cannot be found, making it impossible to furnish this information.

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
West Bay City to Midland, December 27, 1889.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	18.00	
Total length of road belonging to this company		18.00
Total length of road belonging to this company in Michigan	18.00	
Aggregate length of sidings, spurs and other tracks not above enumerated		2.16
Same in Michigan	2.16	
Aggregate length of tracks belonging to this company computed as single track		20.16
Same in Michigan	20.16	

Gauge of track: 4 feet 8½ inches.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

H. S. Ledyard, president, and A. J. Burt, secretary of the Bay City and Battle Creek Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

Signed,

[L. S. OF R. R.]

H. B. LEDYARD, *President.*
A. J. BURT, *Secretary.*

Subscribed and sworn to before me this 23d day of March, A. D. 1896.
[L. S.]

SYDNEY B. WIGHT,
Notary Public in and for Wayne Co.

ANNUAL REPORT

OF THE

CANADA SOUTHERN BRIDGE COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, JAMES TILLINGHAST, New York, N. Y.
Secretary and Treasurer, CHARLES F. COX, New York, N. Y.
Transfer Agent, F. MIDDLEBROOK, New York, N. Y.

DIRECTORS.

CORNELIUS VANDERBILT, New York, N. Y.
WILLIAM K. VANDERBILT, New York, N. Y.
JAMES TILLINGHAST, Buffalo, N. Y.
SAMUEL F. BARGER, New York, N. Y.
CHARLES F. COX, New York, N. Y.
EDWIN D. WORCESTER, New York, N. Y.
EDWARD A. WICKES, New York, N. Y.
CHAUNCEY M. DEPEW, New York, N. Y.
HENRY B. LEDYARD, Detroit, Mich.
Terms expire June, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: Consolidated August 20, 1873.
Number of stockholders at date of last election: 16.
Number of stockholders in Michigan at same date: 3.
Amount of full paid stock held in Michigan at same date. $6,000.00 (60 shares).
Date of annual meeting of stockholders: First Thursday after first Wednesday in June.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit, Mich.

REMARKS.

The stock is controlled by the Canada Southern Railway Company, and the road, bridge, etc., are operated by the Michigan Central Railroad Company as part of the Canada Southern system of roads, under an agreement for joint operation made December 12, 1882, between the Michigan Central and Canada Southern companies.

ANALYSIS OF CAPITAL STOCK.

Amount authorised by charter or articles of association				$15,000 00
Par value of shares		$100 00		
Average price received per share		100 00		
Number of shares issued	4,500			
Amount paid in on common			$450,000 00	
Amount paid in on shares not issued			10,500 00	
Total amount paid in as per books of the company				450,000 00

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mort. coupon bonds dated Feb. 1, 1874.	7%	Feb. 1, 1904	New York, N. Y.	$1,000,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
Interest on bonds	No special provision	$1,470,000 00
For current balances		141,917 79
Total unfunded debt		$1,611,917 79

RECAPITULATION.

Total funded debt	$1,000,000 00
Total unfunded debt	1,611,917 79
Total debt liabilities	$2,611,917 79
Total amount of stock and debt	3,061,917 79

INTEREST ON THE FUNDED DEBT.

What is the amount of the same due each year $70,000 00

Was it paid for the last year? No.
If interest is in default state the years and amounts as follows:
Coupons due 1875 to 1894, inclusive, @ $70,000.00 per annum.

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction $1,780,977 05

Proportion of cost of construction for Michigan: All.

DESCRIPTION OF ROAD.

Date when the road and bridge were opened for use between their present termini.
September, 1873.

MAIN LINE.	Miles.	Miles.
Length completed in Michigan	3.66	
Total length completed		3.66
Total length of road belonging to this company		3.66
Total length of road belonging to this company in Michigan	3.66	
Aggregate length of sidings, spurs and other tracks not above enumerated		3.26
Same in Michigan	3.26	
Aggregate length of tracks belonging to this company, computed as single track		6.92
Same in Michigan	6.92	

Gauge of track, 4 feet 8½ inches.

STATE OF NEW YORK, }
COUNTY OF NEW YORK, } ss.

Charles F. Cox, treasurer and secretary of the Canada Southern Bridge Company, being duly sworn deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

Signed,

[L. S. OF R. R.] C. F. COX, *Treasurer and Secretary.*

Subscribed and sworn to before me this 9th day of March, A. D. 1896.

[L. S.] EDGAR FREEMAN,
Notary Public.

ANNUAL REPORT

OF THE

DETROIT & BAY CITY RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, C. VANDERBILT, New York City.
Secretary, E. D. WORCESTER, New York City.
Vice President, H. B. LEDYARD, Detroit, Mich.

DIRECTORS.

C. VANDERBILT, New York City.
W. K. VANDERBILT, New York City.
H. B. LEDYARD, Detroit, Mich.
C. M. DEPEW, New York City.
S. F. BARGER, New York City.

Terms expire when successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: February 26, 1881.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 3.
Amount of full paid stock held in Michigan at same date: $300.
Date of annual meeting of stockholders: Thursday following first Wednesday in May.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit, Mich., and New York City.

REMARKS.

Under an agreement dated March 10, 1881, the Detroit & Bay City Railroad Company transferred the possession and control of its railroad and property to the Michigan Central Railroad Company. The latter company agreed to operate the same during its corporate existence. Under the terms of this agreement, the Michigan Central Railroad Company is authorized and agrees to issue its bonds to the amount of $4,000,000.00, and both companies have joined in the execution of a mortgage upon all the Detroit & Bay City Railroad Company's property to secure the payment of said bonds.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$2,000,000 00
Par value of shares		$100 00		
Average price received per share		100 00		
Number of shares issued	20,000			
Amount paid in on common			$2,000,000 00	
Total amount paid in, as per books of the company				2,000,000 00
Paid in per mile of road owned by company, 149.90 miles				13,343 22

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

The Michigan Central Railroad Company has issued its bonds to the amount of $4,000,000.00 secured by a first mortgage on the property of this company.

RECAPITULATION.

Total amount of stock and debt	$2,000,000 00
Stock and debt per mile of road	13,343 23

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Included in report of M. C. R. R. Co.

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
Detroit to Bay City, July 31, 1872.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	109.00	
Total length completed		109.00

BRANCHES.

Saginaw branch, from Denmark Junction to East Saginaw	16.75	
Caro branch, from Vassar to Caro	12.75	
Detroit Belt Line	4.39	
Bay City Belt Line	7.01	
Total length of branches owned by company		40.90
Total length of branches owned by company in Michigan	40.90	
Total length of road belonging to this company		149.90
Total length of road belonging to this company in Michigan	149.90	
Bay City Street Railway (leased)	5.10	
Aggregate length of sidings, spurs and other tracks not above enumerated		62.27
Same in Michigan	62.27	
Aggregate length of tracks belonging to this company, computed as single track		212.17
Same in Michigan	212.17	

Gauge of track, 4 feet 8½ inches.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

H. B. Ledyard, vice president of the Detroit & Bay City Railroad Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. of R. R.] Signed, H. B. LEDYARD, *Vice President.*

Subscribed and sworn to before me this 23d day of March, A. D. 1896.

SYDNEY B. WIGHT,
Notary Public in and for Wayne Co.

ANNUAL REPORT

OF THE

DETROIT, DELRAY & DEARBORN RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, H. B. LEDYARD, Detroit, Mich.
Secretary and Treasurer, A. J. BURT, Detroit, Mich.
Vice President, HENRY RUSSEL, Detroit, Mich.

DIRECTORS.

H. B. LEDYARD, Detroit, Mich.
ASHLEY POND, Detroit, Mich.
HENRY RUSSEL, Detroit, Mich.
A. J. BURT, Detroit, Mich.
A. TORREY, Detroit, Mich.
Terms expire when successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: September 19, 1895.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 7.
Amount of full paid stock held in Michigan at same date: $3,500.00.
Date of annual meeting of stockholders: No date set.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit, Mich.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$50,000 00
Par value of shares		$100 00		
Average price received per share		100 00		
Number of shares issued	35			
Amount paid in on common			$3,500 00	
Total amount paid in, as per books of the company				3,500 00
Paid in per mile of road owned by company, 4 84 miles				725 21

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

For construction	$41,316 98

RECAPITULATION.

Total debt liabilities	$41,316 98
Amount of debt liabilities per mile of road, 4.84 miles	8,639 87
Total amount of stock and debt	$45,316 98
Stock and debt per mile of road	9,363 01

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction	$45,316 98
Average cost per mile of road (not including sidings), 4.84 miles	9,363 01
Proportion of cost of construction for Michigan	45,316 98

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
October 5, 1895.

MAIN LINE.

	Miles.	Miles
Length completed in Michigan	4.84	
Total length of road belonging to this company		4.84
Total length of road belonging to this company in Michigan	4.84	
Aggregate length of sidings, spurs and tracks not above enumerated		.32
Same in Michigan	.32	
Aggregate length of tracks belonging to this company computed as single track		5.16
Same in Michigan	5.16	

Gauge of track, 4 feet 8½ inches.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

H. B. Ledyard, president, and A. J. Burt, secretary, of the Detroit, Delray & Dearborn Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

H. B. LEDYARD, *President*,
A. J. BURT, *Secretary*.

Subscribed and sworn to before me this 23d day of March, A. D. 1896.

SYDNEY B. WIGHT,
Notary Public in and for Wayne Co.

ANNUAL REPORT

OF THE

GRAND RIVER VALLEY RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, JOHN M. ROOT, Jackson, Mich.
Secretary, E. W. BARBER, Jackson, Mich.
Treasurer, E. W. BARBER, Jackson, Mich.

DIRECTORS.

JOHN M. ROOT, Jackson, Mich.
E. W. BARBER, Jackson, Mich.
W. H. WITHINGTON, Jackson, Mich.
ALO. BENNETT, Jackson, Mich.
E. S. LACEY, Chicago, Ill.
NATHAN BARLOW, Hastings, Mich.
HOMER G. BARBER, Vermontville, Mich.
Term expires October 5, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: May 11, 1894.
Number of stockholders at date of last election: 48.
Number of stockholders in Michigan at same date: 20.
Amount of full paid stock held in Michigan at same date: $154,600.
Date of annual meeting of stockholders: First Monday in October.
Fiscal year of company ends: December 31.
General offices of the company are located at Jackson, Mich.

REMARKS.

Operated by the Michigan Central Railroad Company under an agreement for 999 years, or the lifetime of its articles of association.

First organized under special charter May 4, 1846; reorganized under the general railroad law of Michigan April 25, 1894, and articles of association filed May 11, 1894.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$1,000,000 00
Par value of shares		$100 00		
Average price received per share		100 00		
Number of shares issued	4,912			
Amount paid in on common			$491,200 00	
Total amount paid in as per books of the company				491,200 00
Paid in per mile of road owned by company				5,862 27

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage to secure bonds of Michigan Central (not a debt of this company)	6%	Sept. 1, 1909	New York City	$1,500,000 00

RECAPITULATION.

Total mortgage	$1,500,000 00
Total amount of stock and mortgage	1,991,200 00
Stock and debt per mile of road	23,762 27

INTEREST ON MORTGAGE.

What is the amount of same due each year	$90,000 00
Was in paid for the last year? No means of knowing.	

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

*Total expended for construction	$2,867,053 00
Average cost per mile of road, not including sidings, 83.79 miles	34,229 17

DISCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
1870.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	83.79	
Total length of road belonging to this company		83.79
Total length of road belonging to this company in Michigan	83.79	
Aggregate length of sidings, spurs and other tracks not above enumerated		16.77
Same in Michigan	16.77	
Aggregate length of tracks belonging to this company, computed as single track		100.56
Same in Michigan	100.56	

Gauge of track, 4 feet, 8½ inches.

STATE OF MICHIGAN, }
COUNTY OF JACKSON, } ss.

J. M. Root, president, and E. W. Barber, secretary, of the Grand River Valley Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed, J. M. ROOT, *President.*
E. W. BARBER, *Secretary.*

Subscribed and sworn to before me this 28th day of February, A. D. 1896.

[L. S.] F. H. HELMER,
Notary Public, Jackson Co., Mich.

*Of this sum $1,500,000 is included in report of Michigan Central Railroad Company, as expended on account of leased lines.

ANNUAL REPORT

OF THE

JACKSON, LANSING & SAGINAW RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, HENRY B. LEDYARD, Detroit, Mich.
Secretary, ORLANDO M. BARNES, Lansing, Mich.
Treasurer, WM. M. THOMPSON, Jackson, Mich.

DIRECTORS.

CORNELIUS VANDERBILT, New York City.
JAMES F. JOY, Detroit, Michigan.
HENRY B. LEDYARD, Detroit, Michigan.
WM. M. THOMPSON, Jackson, Michigan.
PETER B. LOOMIS, Jackson, Michigan.
ORLANDO M. BARNES, Lansing, Michigan.
ASHLEY POND, Detroit, Michigan.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: February 23, 1864.
Number of stockholders at date of last election: 50.
Number of stockholders in Michigan at same date: 23.
Amount of full paid stock held in Michigan at same date: $1,806,600.
Date of annual meeting of stockholders: Second Tuesday of January.
Fiscal year of company ends: Calendar year.
General offices of the company are located at Lansing, Mich.

REMARKS.

The Michigan Central Railroad Company operates the company's road under agreement which went into operation September 1, 1871.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$2,500,000 00
Par value of shares	$100 00		
Average price received per share	100 00		
Number of shares issued	20,000		
Amount paid in on common		$2,000,000 00	
Total amount paid in as per books of the company			2,000,000 00
Paid in per mile of road owned by company			6,777 86

ANALYSIS OF DEBT ACCOUNT.

FUNDED DEBT.

This account is kept by the Michigan Central Co.

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
December 31, 1882.

	Miles.	Miles.
MAIN LINE.		
Length completed in Michigan	295.10	
BRANCHES.		
Twin Lakes branch, from Grayling to Twin Lakes	27.80	
Total length of branches owned by company		27.80
Total length of branches owned by company in Michigan	27.80	
Total length of road belonging to this company		322.90
Total length of road belonging to this company in Michigan	322.90	
Aggregate length of sidings, spurs and other tracks not above enumerated		219.99
Same in Michigan	219.99	
Aggregate length of tracks belonging to this company, computed as single track		542.89
Same in Michigan	542.89	

Gauge of track, 4 feet 8½ inches.

STATE OF MICHIGAN, }
COUNTY OF INGHAM, } ss.

Orlando M. Barnes, secretary of the Jackson, Lansing & Saginaw Railroad Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. OF R. R.] Signed,

O. M. BARNES, *Secretary.*

Subscribed and sworn to before me this 3d day of February, A. D. 1896.

[L. S.] C. J. DAVIS,
Notary Public, Ingham County, Mich.

ANNUAL REPORT

OF THE

KALAMAZOO & SOUTH HAVEN RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, ASHLEY POND. Detroit, Mich.
Secretary, A. J. BURT, Detroit, Mich.

DIRECTORS.

C. VANDERBILT, New York City.
ASHLEY POND, Detroit, Mich.
H. B. LEDYARD, Detroit, Mich.
HENRY RUSSEL, Detroit, Mich.
A. J. BURT, Detroit, Mich.
JAMES CLEMENTS, Ann Arbor, Mich.
F. S. WINSTON, Chicago, Ill.
Terms expire when successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: April 15, 1869.
Number of stockholders at date of last election: 199.
Number of stockholders in Michigan at same date: 124.
Amount of full paid stock held in Michigan at same date: $325,100.00.
Date of annual meeting of stockholders: Second Wednesday in March.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit, Mich.

REMARKS.

Leased to the Michigan Central Railroad Company, July 1, 1870, and is operated by it. The Michigan Central Railroad Company owns a majority of the capital stock.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$500,000 00
Par value of shares		$100 00		
Average price received per share		100 00		
Number of shares issued	3,254			
Amount paid in on common			$325,400 00	
Total amount paid in as per books of the company				325,400 00
Paid in per mile of road owned by company, 39.50 miles				8,237 97

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

The Michigan Central Railroad Company has issued its bonds to the amount of $700,000.00, secured by a first mortgage on the property of this company, and pays the interest thereon as rent.

RECAPITULATION.

Total amount of stock and debt	$325,400 00
Stock and debt per mile of road	8,237 97

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction	$325,400 00
Average cost per mile of road (not including sidings) 39.50 miles	8,237 97
Proportion of cost of construction for Michigan	325,400 00

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
January 2, 1871.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	39.50	
Total length of road belonging to this company		39.50
Total length of road belonging to this company in Michigan	39.50	
Aggregate length of sidings, spurs and other tracks not above enumerated		4.90
Same in Michigan	4.90	
Aggregate length of tracks belonging to this company, computed as single track		44.40
Same in Michigan	44.40	

Gauge of track, 4 feet 8½ inches.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

A. J. Burt, secretary, of the Kalamazoo & South Haven Railroad Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. of R. S.] Signed, A. J. BURT, *Secretary.*

Subscribed and sworn to before me this 23d day of March, A. D. 1896.

SYDNEY B. WIGHT,
Notary Public in and for Wayne Co.

ANNUAL REPORT

OF THE

MICHIGAN AIR LINE RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, H. B. LEDYARD, Detroit, Mich.
Secretary and Treasurer, A. J. BURT, Detroit, Mich.
Vice President, HENRY RUSSEL, Detroit, Mich.

DIRECTORS.

C. VANDERBILT, New York City.
H. B. LEDYARD, Detroit, Mich.
ASHLEY POND, Detroit, Mich.
HENRY RUSSEL, Detroit, Mich.
E. D. WORCESTER, New York City.
J. W. FRENCH, Three Rivers, Mich.
A. J. BURT, Detroit, Mich.
Term expires when successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: July 14, 1868, March 19, 1870.
Date of annual meeting of stockholders: Third Wednesday in October.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit, Mich.

REMARKS.

This property is under perpetual lease to the Michigan Central Railroad Company, and has been so since its construction.

The Michigan Central now owns a majority of the stock and controls the property; the books were received in such an imperfect condition that the present management is unable to furnish all the information required by this form.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$4,000,000 00
Par value of shares		$50 00	
Number of shares issued	7,855¼		

ANALYSIS OF DEBT ACCOUNT.

FUNDED DEBT.

*The Michigan Central Railroad Company has issued its bonds to the amount of $2,600,000.00 secured by a first mortgage on the property of this company, and pays the interest thereon.

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*If interest is in default state the years and amounts:
See note under "Funded debt.

COST OF ROAD AND EQUIPMENT.

Not known.

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
January, 1871.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	109.10	
Length completed in Indiana	6.06	
Total length completed		115.16
Total length of road belonging to this company		115.16
Total length of road belonging to this company in Michigan	109.10	
Aggregate length of sidings, spurs and other tracks not above enumerated		24.04
Same in Michigan	22.07	
Aggregate length of tracks belonging to this company, computed as single track		139.20
Same in Michigan	131.17	

Gauge of track, 4 feet 8½ inches.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

H. B. Ledyard, president, and A. J. Burt, secretary, of the Michigan Air Line Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed, H. B. LEDYARD, *President.*
A. J. BURT, *Secretary.*

Subscribed and sworn to before me this 23d day of March, A. D. 1896.

[L. S.] SYDNEY B. WIGHT,
Notary Public in and for Wayne County.

ANNUAL REPORT

OF THE

MICHIGAN MIDLAND & CANADA RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES.

President, JAMES TILLINGHAST, New York, N. Y.
Secretary and Treasurer, CHARLES F. COX, New York, N. Y.
Transfer Agent, F. MIDDLEBROOK, New York, N. Y.

DIRECTORS.

CORNELIUS VANDERBILT, New York, N. Y.
WM. K. VANDERBILT, New York, N. Y.
JAMES TILLINGHAST, Buffalo, N. Y.
SAMUEL F. BARGER, New York, N. Y.
CHARLES F. COX, New York, N. Y.
EDWIN D. WORCESTER, New York, N. Y.
EDWIN A. WICKES, New York, N. Y.
CHAUNCEY M. DEPEW, New York, N. Y.
CHARLES C. CLARKE, New York. N. Y.
Terms expire June, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: September 17, 1872.
Number of stockholders at date of last election: 28.
Number of stockholders in Michigan at same date: 3.
Amount of full paid stock held in Michigan at same date: 107 shares ($10,700).
Date of annual meeting of stockholders: First Thursday after first Wednesday in June.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit, Mich.

REMARKS.

The stock is controlled by the Canada Southern Railway Company, and the road is operated by the Michigan Central Railroad Company as a part of the Canada Southern system of roads, under an agreement for joint operation, made December 12, 1882, between the Michigan Central and Canada Southern Companies.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$4,000 00
Par value of shares	$100 00		
Average price received per share	100 00		
Number of shares issued	3,000		
Amount paid in on common		$300,000 00	
Amount paid in on shares not issued		1,000 00	
Total amount paid in, as per books of the company			300,000 00
Paid in per mile of road owned by company			20,435 96

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage coupon bonds, dated July 1, 1873, and scrip	7%	July 1, 1900	New York City	$323,635 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For miscellaneous	Interest on bonds	$484,995 00
For current balances		88,987 92
Total unfunded debt		$573,982 92

RECAPITULATION.

Total funded debt	$323,635 00
Total unfunded debt	573,982 92
Total debt liabilities	$897,617 92
Amount of debt liabilities per mile of road, 14.68 miles	61,145 63
Total amount of stock and debt	1,197,617 92
Stock and debt per mile of road	81,581 61

INTEREST ON THE FUNDED DEBT.

What is the amount of same due each year $22,610 00

Was it paid for the last year? No.

If interest is in default state the years and amounts as follows:

1873	$4,025 00
1874	9,765 00
1875	20,300 00
1876	21,490 00
1877 and 1878, each year	22,540 00
1879	22,575 00
1880 to 1895, each year	22,610 00

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction	$586,242 02
Average cost per mile of road (not including sidings), 14.68 miles	39,941 56

Proportion of cost of construction for Michigan:
All.

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
St. Clair to Ridgeway, Mich., December 4, 1874.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	14.68	
Total length of road belonging to this company		14.68
Total length of road belonging to this company in Michigan	14.68	
Aggregate length of sidings, spurs and other tracks not above enumerated		0.92
Aggregate length of tracks belonging to this company computed as single track		15.60
Same in Michigan	15.60	

Gauge of track: 4 feet 8½ inches.

STATE OF NEW YORK, }
COUNTY OF NEW YORK, } ss.

Charles F. Cox, treasurer and secretary, of the Michigan Midland & Canada Railroad Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

Signed,

[L. S. OF R. R.] C. F. COX, *Treasurer and Secretary.*

Subscribed and sworn to before me this 9th day of March, A. D. 1896.

[L. S.] EDGAR FREEMAN,
Notary Public.

ANNUAL REPORT

OF THE

SAGINAW BAY & NORTHWESTERN RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, ASHLEY POND, Detroit, Mich.
Secretary and Treasurer, A. J. BURT, Detroit, Mich.

DIRECTORS.

H. B. LEDYARD, Detroit, Mich.
ASHLEY POND, Detroit, Mich.
A. J. BURT, Detroit, Mich.
HENRY RUSSEL, Detroit, Mich.
F. J. HECKER, Detroit, Mich.
Terms expire when successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: November 27, 1884.
Date of annual meeting of stockholders: First Thursday after first Wednesday in May.
Fiscal year of company ends: December 31.
General offices of the company are located at Detroit, Mich.

REMARKS.

Stock is owned and the road is operated by the M. C. R. R. Co.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$300,000 00
Par value of shares		$100 00	
Average price received per share, as per books of company		100 00	
Number of shares issued	2,000		
Amount paid in on common		$200,000 00	
Total amount paid in as per books of the company			200,000 00
Paid in per mile of road owned by company, 82.79 miles			2,415 75

ANALYSIS OF DEBT ACCOUNTS.

RECAPITULATION.

Total amount of stock and debt	$200,000 00
Stock and debt per mile of road	2,415 75

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction, as per books of company	$225,526 15
Average cost per mile of road (not included in sidings), 82.79 miles	2,724 07
Proportion of cost of construction for Michigan	225,526 15

DISCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
May, 1879.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan		28.72
BRANCHES.		
Sundry branches from main line in woods	54.07	
Total length of branches owned by company		54.07
Total length of branches owned by company in Michigan	54.07	
Total length of road belonging to this company		82.79
Total length of road belonging to this company in Michigan	82.79	
Aggregate length of sidings, spurs and other tracks not above enumerated		10.40
Same in Michigan	10.40	
Aggregate length of tracks belonging to this company, computed as single track		93.19
Same in Michigan	93.19	

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

A. J. Burt, secretary, of the Saginaw Bay & Northwestern Railroad Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. OF R. R.] Signed, A. J. BURT, *Secretary.*

Subscribed and sworn to before me this 22d day of March, A. D. 1896.

SYDNEY B. WIGHT,
Notary Public in and for Wayne Co.

ANNUAL REPORT

OF THE

TOLEDO, CANADA SOUTHERN & DETROIT RAILWAY CO.

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, JAMES TILLINGHAST, New York, N. Y.
Secretary and Treasurer, CHARLES F. COX, New York, N. Y.
Transfer Agent, F. MIDDLEBROOK, New York, N. Y.

DIRECTORS.

CORNELIUS VANDERBILT, New York, N. Y.
WILLIAM K. VANDERBILT, New York, N. Y.
JAMES TILLINGHAST, Buffalo, N. Y.
SAMUEL F. BARGER, New York, N. Y.
CHARLES F. COX, New York, N. Y.
EDWIN D. WORCESTER, New York, N. Y.
EDWARD A. WICKES, New York, N. Y.
CHAUNCEY M. DEPEW, New York, N. Y.
ALLYN COX, New York, N. Y.
Terms expire June, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: Consolidation, July 19, 1872, of the Detroit and State Line R. R. Co. of Michigan, and the Junction Railway Co. of Ohio.
Number of stockholders at date of last election: 17.
Number of stockholders in Michigan at same date: 2.
Amount of full paid stock held in Michigan at same date: $1,000.00 (10 shares).
Date of annual meeting of stockholders: First Thursday after first Wednesday in June.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit, Mich.

REMARKS.

The stock is controlled by the Canada Southern Railway Company, and the road, is operated by the Michigan Central Railroad Company as a part of the Canada Southern system of roads, under an agreement for joint operation made December 12, 1883, between the Michigan Central and Canada Southern companies.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$20,000 00
Par value of shares		$100 00		
Average price received per share		100 00		
Number of shares issued	15,476⅔			
Amount paid in on common			$1,547,662 50	
Amount paid in on shares not issued, number	4,523⅓			
Total amount paid in as per books of the company				1,547,662 50

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mort. coupon gold bonds dated August 1, 1872, and first mortgage scrip	7%	January 1,1906	New York, N. Y.	$1,500,000 00
Interest payable January and July				11,737 50
Total funded debt				$1,511,737 50

UNFUNDED DEBT.

For miscellaneous—interest on bonds	$2,362,780 00

RECAPITULATION.

Total funded debt	$1,511,737 50
Total unfunded debt	2,362,780 00
Total debt liabilities	$3,874,517 50
Amount of debt liabilities per mile of road, 58.92 miles	65,758 95
Total amount of stock and debt	5,422,180 00
Stock and debt per mile of road	92,026 15

INTEREST ON THE FUNDED DEBT.

What is the amount of the same due each year	$105,000 00

Was it paid for the last year? No.
If interest is in default state the years and amounts as follows:
1873, $52,780.00; 1874 to 1894, inclusive, $105,000.00 per annum.

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction	$3,123,885 77
Average cost per mile of road (not included in sidings), 58.92 miles	53,019 10
Proportion of cost of construction for Michigan, 47.27 miles	2,506,213 86

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini.
September 1, 1873. Springwells, Mich., to Toledo, Ohio.

MAIN LINE.	Miles.	Miles.
Length completed in Michigan	47.27	
Length completed in Ohio	11.65	
Total length completed		58.92
Total length of road belonging to this company		58.92
Total length of road belonging to this company in Michigan	47.27	
Aggregate length of sidings, spurs and other tracks not above enumerated		59.85
Same in Michigan	38.53	
Aggregate length of tracks belonging to this company, computed as single track		118.77
Same in Michigan	85.80	

Gauge of track, 4 feet 8½ inches.

STATE OF NEW YORK, }
COUNTY OF NEW YORK, } ss.

Charles F. Cox, treasurer and secretary of the Toledo, Canada Southern & Detroit Railway Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

Signed,

[L. S. OF R. R.] C. F. COX, *Treasurer and Secretary.*

Subscribed and sworn to before me this 9th day of March, A. D. 1896.

[L. S.] EDGAR FREEMAN,
Notary Public.

ANNUAL REPORT

OF THE

MIDLAND & HUBBARD RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed January 28, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES

President, COLLINS B. HUBBARD, Detroit, Mich.
Secretary, EDWIN B. HUTCHINSON, Detroit, Mich.
Treasurer, GEORGE DINGWALL, Detroit, Mich.
Vice President, HOYT POST, Detroit, Mich.

DIRECTORS.

COLLINS B. HUBBARD, Detroit, Mich.
GEORGE DINGWALL, Detroit, Mich.
HOYT POST, Detroit, Mich.
EDWARD A. DINGWALL, Detroit, Mich.
EDWIN B. HUTCHINSON, Detroit, Mich.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: September 25, 1893.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 7.
Amount of full paid stock held in Michigan at same date: 120 shares.
Date of annual meeting of stockholders: December 17.
Fiscal year of company ends December 17.
General offices of the company are located at Detroit, Mich.

REMARKS.

Lease executed June 20th, 1894, by the Midland & Hubbard Railroad Company to the Midland & Northern Railway Company until November 1, 1903, at a nominal rental of one (1) dollar per year, the lessees to operate the road during the term of the lease, and furnish transportation for freight and passengers.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$80,000 00
Par value of shares	$100 00		
Average price received per share	100 00		
Amount paid in on common		$12,000 00	
Total amount paid in, as per books of the company			12,000 00
Paid in per mile of road owned by company			1,200 00

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For construction For equipment For real estate For renewals For miscellaneous For current balances		$3,151 95

RECAPITULATION.

Total debt liabilities	$3,151 95
Amount of debt liabilities per mile of road, 10 miles	315 19
Total amount of stock and debt	15,151 95
Stock and debt per mile of road	1,515 19

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction of road bed and right of way	$15,151 95
Average cost of construction per mile of road (not including sidings), 10 miles	1,515 19

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
January 1, 1894.

MAIN LINE.

	Miles.
Length completed in Michigan	10
Total length of road belonging to this company	10

Gauge of track, 4 feet 8½ inches.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

Collins B. Hubbard, president, and Edwin B. Hutchinson, secretary, of the Midland & Hubbard Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. of R. R.] Signed, COLLINS B. HUBBARD, *President.*
EDWIN B. HUTCHINSON, *Secretary.*

Subscribed and sworn to before me this 25th day of January, A. D. 1896.

[L. S.] DON W. ARMSTRONG,
Notary Public, Wayne County, Mich.

ANNUAL REPORT

OF THE

MIDLAND & NORTHERN RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed April 6, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, WILLIAM B. REMINGTON, Midland, Mich.
Vice President, CHARLES BROWN, Midland, Mich.
Secretary, JNO. W. KELTY, Midland, Mich.
Treasurer, JNO. W. KELTY, Midland, Mich.
General Manager, CHARLES BROWN, Midland, Mich

DIRECTORS.

W. B. REMINGTON, Grand Rapids.
M. P. ANDERSON, Midland.
JNO. W. KELTY, Midland.
ALBERT REED, Midland.
CHAS. BROWN, Midland.
W. D. GORDON, Midland.
E. E. REMINGTON, Grand Rapids.
Terms expire with the year.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: May 12, 1894.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 7.
Amount of full paid stock held in Michigan at same date: $2,500.00.
Date of annual meeting of stockholders: Tuesday following second Monday in January.
Fiscal year of company ends: December 31.
General offices of the company are located at Midland.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$1,468 33
Total expenses, including taxes	$1,862 94	
Net deficit	$394 61	
Balance for the year		394 61
Balance, profit and loss, last year		1,043 70
Balance forward to next year		$1,438 31

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$25,000 00
Par value of shares		$100 00	
Number of shares issued	25		
Amount paid in on common		$2,500 00	
Total amount paid in, as per books of the company			2,500 00
Paid in per mile of road owned by company			250 00

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For construction For equipment For real estate For renewals For miscellaneous For current balances		$7,613 80

RECAPITULATION.

Total debt liabilities	$7,613 80
Amount of debt liabilities per mile of road, 10 miles	761 38
Total amount of stock and debt	10,113 80
Stock and debt per mile of road, 10 miles	1,011 38

GENERAL BALANCE SHEET.—Dr.

Construction account	$5,915 29
Equipment account	2,760 20
Deficit	1,438 31
Total	$10,113 80

GENERAL BALANCE SHEET.—Cr.

Capital stock	$2,500 00
Unfunded debt:	
Other liabilities:	
To Cleveland W. W. Co.	7,613 80
Total	$10,113 80

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$8,675 49
Average cost per mile of road (not including sidings)	867 55

Proportion of cost for Michigan: All.

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

Property sold and credited	$2,550 00
Net deduction from property account	2,500 00

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$1,468 33	
Total traffic	$1,468 33	
Total freight department earnings		$1,468 33
Per mile of road		146 83
Total transportation earnings, entire line		$1,468 33
Transportation earnings per mile of road	$146 83	
Total earnings from operation of road		$1,468 33
Total earnings per mile of road	$146 83	

Proportion of taxable earnings for Michigan: All.
Total taxable earnings per mile of road in Michigan: All.

RECAPITULATION OF EXPENSES.

Conducting transportation	$1,862 94
Total operating expenses and taxes	$1,862 94
Operating expenses and taxes per mile of road	186 30

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Midland to Hubbard, January, 1895.

MAIN LINE.

	Miles.
In Michigan, from Midland to Hubbard	10

Gauge of track, 4 feet 8½ inches.

If north of parallel 44 of latitude?
No.

Give date road commenced to be built:
April, 1894.

Give date road completed:
December, 1894.

Give date road commenced to be operated:
January, 1895.

Where built from and to:
Midland to Hubbard.

Give exact number of miles.
Ten.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
F. & P. M. R. R. at Midland.
M. C. R. R. at Midland.

At what crossings are interlocking and derailing switches in operation?
F. & P. M. at Midland.
M. C. at Midland.

What pattern or patterns have you adopted?
Johnson R. R. Signal Co.

Number of crossings of highways at grade in this State

Are your frogs and guard rails blocked as required by act 174, session laws 1883?

How are they treated?
Wood blocks.

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan)	5

Classify your employés as per following list:	Number
Conductors	1
Engineers	1
Firemen	1
Section men	2

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you:
8 miles.
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
12 miles.

Road bed and track.

Number of track sections in Michigan	1
Average length of sections, miles	10
Average number of men in each section gang	2

ROLLING STOCK.

Number of locomotives of 10 to 20 tons weight, exclusive of tender	1
Number of express and baggage cars	1
Number of platform cars	2
Number of logging cars	22

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
No.

How are your passenger cars heated?
Stove.

Freight traffic.—Road all in State of Michigan.

Number of tons of local freight carried, earning revenue	8,500
Average amount received for each ton haul	$0 17.3

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Products of forests:	
Lumber, logs and shingles, tons	8,500,100

STATE OF MICHIGAN, }
COUNTY OF MIDLAND, } ss.

W. B. Remington, president, and Jno. W. Kelty, secretary and treasurer, of the Midland & Northern Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

W. B. REMINGTON, *President.*
JNO. W. KELTY, *Secretary.*

Subscribed and sworn to before me this 3d day of February, A. D. 1896.

FRANK L. WEAVER,
Notary Public.

ANNUAL REPORT

OF THE

MINERAL RANGE RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, WM. F. FITCH, Marquette, Mich.
Vice President, WM. KNIGHT, Marquette, Mich.
Secretary, A. E. MILLER, Marquette, Mich.
Auditor, A. E. DELF, Marquette, Mich.
Treasurer, E. W. ALLEN, Marquette, Mich.
Assistant Treasurer and Assistant Secretary, GEO. H. CHURCH, New York, N. Y.
General Manager, WM. F. FITCH, Marquette, Mich.
Superintendent, J. C. SHIELDS, Hancock, Mich.
General Passenger Agent, GEO. W. HIBBARD, Marquette, Mich.
General Freight Agent, WM. ORR, Duluth, Minn.
Attorney, A. B. ELDREDGE, Marquette, Mich.

DIRECTORS.

WILLIAM F. FITCH, Marquette, Mich.
WILLIAM KNIGHT, Marquette, Mich.
JAS. E. JOSLING, Marquette, Mich.
J. G. REYNOLDS, Marquette, Mich.
E. C. WILLIAMS, Marquette, Mich.
C. H. SHAFFER, Marquette, Mich.
R. A. PARKER, Marquette, Mich.
W. E. PARNALL, Calumet, Mich.
THOS. NELSON, Boston, Mass.
GEO. H. CHURCH, New York City.
J. HUGH PETERS, New York City.
Terms expire July 9, 1896.

STOCKHOLDERS, STOCK, AND GENERAL OFFICES

When chartered or articles of association filed? November 8, 1871.
Number of stockholders at date of last election: 20.
Number of stockholders in Michigan at same date: 10.
Amount of full paid stock held in Michigan at same date: 100 shares.
Date of annual meeting of stockholders: Second Tuesday in July.
Fiscal year of company ends: December 31.
General offices of the company are located at Marquette, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$113,569 19
Total expenses, including taxes	$60,056 13	
Net income or deficit		$53,513 06
Interest on funded debt	$17,025 00	
Interest on unfunded debt	6,799 52	
Rentals of buildings, tracks, etc. (included in operating expenses).		
Balance applicable to dividends		29,688 54
Dividends declared (7%)	$27,538 00	
Balance for the year		2,150 54
Balance (profit and loss) last year		159,526 34
*Items not included in above, as follows	$27,538 00	25,475 00
Balance forwarded to next year		$159,613 88

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$400,000 00
Par value of shares		$100 00	
Number of shares issued	3,934		
Amount paid in on common		$393,400 00	
Total amount paid in, as per books of the company			393,400 00
Paid in per mile of road owned by company, 19.85 miles			19,818 64

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
M. R. R. R. main line first mortgage, June 1, 1873	8%	June 1, 1888	New York city	$6,000 00
M. R. R. R. main line, general mortgage, December 14, 1886	4%	Jan. 1, 1937	New York City	7,300 00
M. R. R. R. consol mortgage, January 1, 1891	5%	Jan. 1, 1931	New York City	
Amount issued			$600,000 00	
Less amount in company's treasury			259,500 00	
				340,500 00
Total funded debt				$353,800 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For miscellaneous	To be paid in cash	$148,500 00
For current balances	To be paid in cash	142,081 89
Total unfunded debt		$290,581 89

*The $27,538.00 debit consists of a 7 per cent dividend paid out of previous year's surplus.
The $25,475.00 credit consists of receipts from dividends on stock and interest on bonds of other companies.

RECAPITULATION.

Total funded debt	$353,800 00
Total unfunded debt	290,531 89
Total debt liabilities	$644,331 89
Amount of debt liabilities per mile of road, 19.85 miles	32,460 04
Total amount of stock and debt	1,087,731 89
Stock and debt per mile of road, 19.85 miles	52,378 68

GENERAL BALANCE SHEET.—Dr.

Construction account		$645,566 69
Equipment account		133,326 00
Other investments:		
Hancock & Calumet R. R.	$250,000 00	
Peninsula Copper Mine	2,044 00	
Houghton County Agricultural and Driving Park Association	640 00	
M. R. R. R. 5% bonds	259,500 00	
Dayton & Southeastern R. R. bonds	10,400 00	
		522,584 00
Cash items:		
Cash	$7,952 68	
Bills receivable	100,000 00	
Due from agents	5,095 15	
		113,047 83
Other assets:		
Materials and supplies	$25,523 34	
Debit balances from companies and individuals	16,795 91	
		42,319 25
Total		$1,456,845 77

GENERAL BALANCE SHEET.—Cr.

Capital stock		$393,400 00
Funded debt		613,300 00
Unfunded debt:		
Interest unpaid	$618 75	
Dividends unpaid	12,769 00	
Notes payable	148,500 00	
Vouchers and accounts	127,644 14	
		290,531 89
Profit and loss or income accounts		159,612 88
Total		$1,456,845 77

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$778,894 69
Average cost per mile of road (not including sidings) 19.85 miles	39,239 03
Proportion of cost for Michigan	778,894 69

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

Main line:		
Extensions and new sidings	$130 96	
New fences	1,651 34	
Total	$1,782 30	
Total charges to property account as above		$1,782 30
Net addition to property account		1,782 30

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$29,763 33	
Total passenger fares	$29,763 33	
Express and baggage	1,529 00	
Mails	1,286 00	
Total passenger department earnings		$32,577 33
Per train mile	$0 95.5	
Per mile of road	1,641 18	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$79,641 69	
Total traffic	$79,641 69	
Other sources, freight department	336 86	
Total freight department earnings		79,978 55
Per train mile	$1 72.2	
Per mile of road	4,029 15	
Total transportation earnings, entire line		$112,555 88
Transportation earnings per mile of road	$5,670 32	
Transportation earnings per train mile	1 39.72	
Miscellaneous receipts from operating account, other than for transportation :		
From telegraph companies	432 81	
From rents not otherwise provided for	581 00	
		1,013 81
Total earnings from operation of road		$113,569 19
Total earnings per mile of road	$5,721 37	
Total earnings per train mile	1 40.98	
Proportion of taxable earnings for Michigan		113,569 19
Total taxable earnings per mile of road in Michigan		5,721 37
Income other than from earnings		25,475 00
Total income from all sources		$139,044 19
Proportion of income for Michigan		139,044 19

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$5,524 90
Renewals of ties	728 53
Repairs and renewals of bridges and culverts	1,007 46
Repairs and renewals of fences, road crossings, signs and cattle guards	55 99
Repairs and renewals of buildings and fixtures	1,024 22
Repairs and renewals of docks and wharves	165 75
Repairs and renewals of telegraph	53 77
Stationery and printing	1 00
Total	$8,561 62

MAINTENANCE OF EQUIPMENT.

Repairs and renewals of locomotives	$2,388 81
Repairs and renewals of passenger cars	1,067 38
Repairs and renewals of freight cars	1,914 75
Repairs and renewals of shop machinery and tools	617 81
Total	$6,487 75

CONDUCTING TRANSPORTATION.

Engine and roundhouse men	$5,684 03
Fuel for locomotives	6,278 46
Water supply for locomotives	78 00
Oil, tallow and waste for locomotives	312 08
Other supplies for locomotives	71 62
Train service	3,686 92
Train supplies and expenses	375 78
Switchmen, flagmen and watchmen	621 09
Telegraph expenses	1,206 59
Station service	9,917 83
Station supplies	1,207 56
Loss and damage	168 84
Injuries to persons	53 28
Advertising	48 92
Rent of buildings and other property	2,800 00
Stationery and printing	574 55
Total	$34,284 56

GENERAL EXPENSES.

Salaries of general officers	$2,190 91
Salaries of clerks and attendants	1,985 05
General office expenses and supplies	221 06
Insurance	907 00
Law expenses	508 78
Stationery and printing (general offices)	149 21
Other expenses	983 98
Taxes	2,831 31
Total	$10,723 20

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	14.26	$8,561 62
Maintenance of equipment	10.80	6,487 75
Conducting transportation	57.09	34,284 56
General expenses, including taxes	17.85	10,723 20
Total operating expenses and taxes	100.00	$60,056 13

Operating expenses and taxes per mile of road		$3,025 50
Operating expenses and taxes per train mile run, for trains earning revenue, 80,557 miles	$0 74.55	
Total proportion of expenses and taxes for Michigan		60,056 13
Percentage of expenses to earnings	53.88	
Net earnings per mile of road	2,695 87	
Net earnings per train mile	66.43	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Houghton to Red Jacket, October 11, 1873.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Houghton to Red Jacket	15.15	

BRANCHES.

Franklin, from Franklin Junction to Quincy Mine	2.20	
Lake, from Lake Branch Junction to end of track	2.50	
Total length of branches owned by company		4.70
Total length of branches owned by company in Michigan	4.70	
Total length of road belonging to this company		19.85
Total length of road belonging to this company in Michigan	19.85	
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated	4.37	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		24.22

Gauge of track, 3 feet.

Proprietary or leased roads operated by this company.

Total miles operated by the company	19.35

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden trestles	6	645
Total	6	645

Draw bridges in Michigan.

How many on your line?	1

Where located, when built, and length of draw span:
Houghton, Mich., built in 1886. Total length of draw span 180 feet.

Character of structure:
Howe Truss.

Material of which constructed:
Wood.

Height above water and depth of water under bridge:
6 feet, 24 feet.

How swung, by engine or hand power?
Engine.

Approaches straight or curved?
Curved.

Do you require all trains to come to full stop before crossing a draw, and how are they signaled?
Yes; by flagman.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Hancock & Calumet R. R., at Osceola.
Hecla & Torch Lake R. R., at Calumet.

At what crossings are interlocking and derailing switches in operation?
Osceola and Calumet.

What pattern or patterns have you adopted?
Pennsylvania Steel Co., Saxley & Farmer machine.

Number of crossings of highways at grade in this State	18
Number of crossings of highways at grade in this State at which there are gates or flagmen	2
Number of crossings of highways over or under railroad (over 1), (under 1)	2
Number of highway bridges, 18 ft. above track	1

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Filled in with wooden blocks.

Stations.

Number of stations on whole lines (all in Michigan)	5

Employés.

Number of persons regularly employed on all roads operated by company, including officials, (all in Michigan)	110

Classify your employés as per following list:	Number.
Baggagemen	2
Brakemen	5
Conductors	3
Engineers	5
Firemen	4
Laborers	17
Shopmen	24
Yardmen	2
Others	48

REPAIRS AND RENEWALS.

Fencing in Michigan.

	Miles.
How many miles of fencing have you	22.00
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:	
All Houghton county	17.70

Road bed and track.

Number of track sections in Michigan	3
Average lengths of sections, miles	7
Average number of men in each section gang	6
Number of new ties put in whole line during the year	3,568
Number of new ties put in track in Michigan	3,568
Average number of new ties per mile of road	180

Bridges and culverts.

Timber culverts replaced during the year	14
With timber, number	14

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	3	$24,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	1	6,900 00
Number of locomotives of 10 to 20 tons weight, exclusive of tender	4	22,000 00
Total	8	$52,900 00
Number of passenger cars—8-wheel, including official cars	8	$24,000 00
Number of express and baggage cars	2	5,000 00
Number of box freight cars	86	25,800 00
Number of platform cars	69	17,250 00
Number of ore cars	29	7,975 00
Number of conductors' way cars	2	1,000 00
Other cars	1	200 00
Total	197	$134,125 00
Number of locomotives equipped with power brakes		7
Number of passenger train cars equipped with power brakes		10

What patterns of power brakes have you in use, and number of locomotives and cars with each?
3 locomotives, Westinghouse.
4 locomotives, American Brake Co., vacuum brake.
9 passenger cars, Westinghouse.
1 passenger car, Eames Vacuum.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Blocker.

How are your passenger cars heated?
Baker hot water heater.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	34,103	34,103
Miles run by freight trains during the year	46,454	46,454
Total mileage of trains earning revenue	80,557	80,557

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of local passengers carried, earning revenue	108,771		
Total number of passengers carried, earning revenue	108,771		
Number of passengers carried one mile	977,738		
Average distance carried		8.9690	
Average amount received from each passenger			$0 27.36
Average receipts per mile for local passengers			03.04
Average receipts per passenger per mile for all passengers			03.04

Estimated cost of carrying each passenger one mile:
We have no data from which to enable us to reply to this question, as passenger and freight expenses are not kept separately.

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of local freight carried, earning revenue	107,387		
Total tons of freight carried, earning revenue	107,387		
Total mileage of local freight		970,202	
Total freight mileage or tons carried one mile		970,202	
Average ton haul for local freight		9.0356	
Average ton haul for all freight		9.0356	
Average amount received for each ton haul			$0 74.16
Average ton receipts per mile, for local freight			08.20
Average receipts ton per mile, for all freight			08.20

Estimated cost of carrying one ton one mile:
We have no data from which to enable us to reply to this question, as freight and passenger expenses are not kept separately.

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	4,672		4,672	4.35
Flour	2,134		2,134	1.99
Other mill products	3,000		3,000	2.79
Hay	3,775		3,775	3.52
Fruit, and vegetables	1,686		1,686	1.57
Products of animals:				
Live stock	114		114	.12
Dressed meats	2,504		2,504	2.33
Other packing house products	135		135	.14
Poultry, game and fish	20		20	.02
Hides and leather	17		17	.01
Products of mines:				
Anthracite coal	24		24	.02
Bituminous coal	29,143		29,143	27.14
Coke	20		20	.02
Stone, sand and other like articles	3,295		3,295	3.09
Copper	7,207		7,207	6.68
Products of forest:				
Lumber	10,459		10,459	9.76
Logs	120		120	.12
Other forest products	3,196		3,196	2.97
Manufactures:				
Petroleum and other oils	883		885	.82
Sugar	193		192	.17
Iron, pig and bloom	365		365	.34
Iron and steel rails	346		346	.32
Other castings and machinery	1,769		1,769	1.65
Cement, brick and lime	1,457		1,457	1.35
Wagons, carriages, tools, etc	105		105	.09
Wines, liquors and beers	1,663		1,663	1.55
Household goods and furniture	103		108	.09
Merchandise	28,982		28,982	26.98
Total tonnage	107,387		107,387	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

Western Express Co. M. R. R. R. receives $100.00 per month. They do a general business. Deliveries made at railroad depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

15 miles; belongs to Mineral Range R. R. Co.

STATEMENT OF ACCIDENTS.

INJURED.

February 19, Gus Hummel, baggageman, Hancock. Struck by coach while picking up hat; carelessness.
March 11, J. C. Brown, yardmaster, Red Jacket. Box fell on hand while unloading freight; accidental.

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons injured during the year	2
Number of casualties purely accidental	1
Number resulting from lack of caution, carelessness or misconduct	1

STATE OF MICHIGAN, }
COUNTY OF MARQUETTE, } ss.

Wm. F. Fitch, general manager, and A. E. Delf, auditor, of the Mineral Range Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

WM. F. FITCH, *General Manager.*
A. E. DELF, *Auditor.*

Subscribed and sworn to before me this 31st day of March, A. D. 1896.

[L. S.] ALBERT E. MILLER,
Notary Public, Michigan.

ANNUAL REPORT

OF THE

MINNEAPOLIS, ST. PAUL & SAULT STE. MARIE RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed May 4, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, THOMAS LOWRY, Minneapolis.
Vice President, JOHN MARTIN, Minneapolis.
Secretary, C. F. CLEMENT, Minneapolis.
Auditor, C. W. GARDNER, Minneapolis.
Treasurer, C. F. CLEMENT, Minneapolis.
General Manager, F. D. UNDERWOOD, Minneapolis.
Superintendent, E. PENNINGTON, Minneapolis.
Division Superintendents:
D. WILLARD, Minneapolis.
F. C. BATCHELDER, Minneapolis.
Chief Engineer, W. W. RICH, Minneapolis.
Superintendent of Telegraph, H. A. TUTTLE, Minneapolis.
General Passenger Agent, W. R. CALLAWAY, Minneapolis.
General Freight Agent, W. L. MARTIN, Minneapolis.

DIRECTORS.

THOMAS LOWRY, Minneapolis, Minn.
W. D. WASHBURN, Minneapolis, Minn.
W. B. DEAN, St. Paul, Minn.
JOHN S. PILLSBURY, Minneapolis, Minn.
F. H. PEAVEY, Minneapolis, Minn.
W. C. VAN HORNE, Montreal, Can.
T. G. SHAUGHNESSY, Montreal, Can.
JOHN MARTIN, Minneapolis, Minn.
C. H. PETTIT, Minneapolis, Minn.
WM. H. BRADLEY, Tomahawk, Wis.
Terms expire first Tuesday in June, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: June 11, 1888.
Number of stockholders at date of last election: 77.
Number of stockholders in Michigan at same date: None.
Amount of full paid stock held in Michigan at same date: None.
Date of annual meeting of stockholders: First Tuesday in June.
Fiscal year of company ends June 30.
General offices of the company are located at Minneapolis.

GENERAL EXHIBIT.

			Debit.	Credit.
Total earnings from operation				$3,148,156 38
Total expenses, including taxes			$2,088,166 18	
Net income				$1,059,990 20
Interest on funded debt	$1,160,589 17			
Interest on unfunded debt	48,234 61			
Rentals of buildings, tracks, etc.	117,832 44			
			$1,326,656 22	
Balance for the year				$266,666 02
Balance (profit and loss last year)				556,889 85
Balance forwarded to next year				$823,555 87

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$21,000,000 00
Par value of shares		$100 00		
Number of shares issued	21,000			
Amount paid in on common			$14,000,000 00	
Amount paid in on preferred			7,000,000 00	
Total amount paid in, as per books of the company				$21,000,000 00
Paid in per mile of road owned by company, 1,170.21 miles				17,945 21

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mort. bonds, M. & P. R'y. Jan. 1, '96	4%	January 1, 1936	New York City	$3,208,000 00
First mort. bonds, M. S. S. M. & Atl., '96	4%	January 1, 1926	" " "	8,280,000 00
First mort. bonds, M. St. P. & S. S. M. R'y, consols. July 1, '88	4%	July 1, 1938	" " "	16,857,000 00
Income certificates, May 27, '90		July 1, 1900	" " "	771,000 00
R. R. Equipment Co., Nov. 25, 1887*	7%			26,989 04
Amer. Trust Co., June 30, '90**			Chicago	3,898 50
Bristol Wagon Car Co., Eng., Nov 1, '92†			New York City	41 817 60
Bristol Wagon & Carriage Co., Nov. 1, '92†			" " "	43,718 40
Victoria Rolling Stock Co., Dec. 1, '93, Toronto, Canada, equip. int. included in notes		$4,816.80 half yearly	Toronto, Can.	668,225 38
Total funded debt				$29,900,598 92

* Principal and interest in monthly installments of $1,122.44, until November, 1897.
** $3,766.67 semi-annual, June, 1896.
† Principal and interest in monthly installments of 1,900.80, until November, 1897.

UNFUNDED DEBT.

For what incurred?	Is the same to be funded or how liquidated?	Amount.
For real estate	To be paid from real estate	$83,000 00
For miscellaneous For current balances	To be paid from earnings and assets of the road	2,657,338 43
Total unfunded debt		$2,740,338 43

RECAPITULATION.

Total funded debt	$29,900,598 92
Total unfunded debt	2,740,338 43
Total debt liabilities	$32,640,937 35
Amount of debt liabilities per mile of road, 1,170.21 miles	27,893 23
Total amount of stock and debt	53,640,837 35
Stock and debt per mile of road, 1,170.21 miles	45,838 72

GENERAL BALANCE SHEET.—Dr.

Construction account	$40,818,375 22	
Equipment account	4,507,786 59	
Other investments:		
Aberdeen, Bismarck and No. West R'y	5,396,336 87	
Real estate	293,242 94	
		$50,956,241 62
Cash items:		
Cash	$618,865 10	
Bills receivable	3,686 00	
Due from agents	188,419 06	
		810,970 16
Other assets:		
Materials and supplies	$296,079 21	
Sinking funds, S. S. M. Bridge Co.	7,501 72	
Debit balances from companies and individuals	529,888 77	
Treasury stock	225,600 00	
Bonds, village marine	400 00	
New Jersey Bridge Con. Co.	500 00	
Bonds, Chapin Mining Co.	40,200 00	
		1,050,169 70
Income account		823,555 87
Total		$53,640,937 35

GENERAL BALANCE SHEET.—Cr.

Capital stock		$21,000,000 00
Funded debt:		
First mort. M. & P. bonds	$8,208,000 00	
First mort. M. S. S. M. & Atl. bonds	8,280,000 00	
First mort. M. St. P. & S. S. M. con. bonds	16,357,000 00	
Income certificates	771,000 00	
Car Trust notes	784,598 92	
		29,900,598 92
Unfunded debt:		
Interest unpaid	$650,550 00	
Notes payable	156,000 00	
Vouchers and accounts	1,636,101 02	
Other liabilities:		
Pay rolls	154,078 83	
Foreign roads balances	60,727 61	
Taxes	82,885 97	
		2,740,338 43
Total		$53,640,937 35

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$50,722,998 68
Average cost per mile of road (not including sidings) 1,170.21 miles	43,345 21
Proportion of cost for Michigan, 193.39 miles	8,620,928 81

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Extensions and new sidings		$54,297 53
New buildings		7,623 84
New fences		1,148 66
Machinery and tools		250 00
New locomotives	Dr. $358 92	
New cars	14,741 46	
Leased or proprietary roads:		
A. B. & N. W. R'y	$373 20	
Total charges		$48,592 85
Total charges to property account as above		$63,692 23
Property sold and credited		15,100 38
Net addition to property account		$48,592 85

ANALYSIS OF EARNINGS.— IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$44,752 09	
Through fares	60,610 15	
Total passenger fares	$105,362 24	
Express and baggage	4,679 31	
Mails	23,796 81	
Other sources	5,561 90	
Total passenger department earnings		$139,400 26
Per train mile	$0 89.19	
Per mile of road	699 69	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$158,286 05	
Through traffic	298,068 65	
Total traffic	$456,354 70	
Other sources, freight department	2,055 25	
Total freight department earnings		458,409 95
Per train mile	$1 67.46	
Per mile of road	2,300 91	

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$250,837 46	
Through fares	189,293 84	
Total passenger fares	$440,131 30	
Express and baggage	25,173 94	
Mails	146,141 48	
Other sources	17,850 20	
Total passenger department earnings		$629,297 02
Per train mile	$0 68.14	
Per mile of road	529 39	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$1,523,725 91	
Through traffic	966,221 70	
Total traffic	$2,489,947 61	
Other sources, freight department	5,844 92	
Total freight department earnings		2,495,792 53
Per train mile	$1 71.09	
Per mile of road	2,099 58	
Total transportation earnings, entire line		$3,125,089 55
Transportation earnings per mile of road	$2,628 97	
Transportation earnings per train mile	1 81.19	
Miscellaneous receipts from operating account, other than for transportation:		
From telegraph (Michigan proportion, $3,489.95)	19,585 91	
From other sources (Michigan proportion $678.50)	3,580 92	
Total		23,066 83
Total earnings from operation of road		$3,148,156 38
Total earnings per mile of road	$2,648 38	
Total earnings per train mile	1 82.15	
Proportion of taxable earnings for Michigan		606,329 18
Total taxable earnings per mile of road in Michigan	3,021 25	
Income other than from earnings:		
Car mileage		26,285 95
Total income from all sources		$3,174,442 33
Proportion of income for Michigan, $601,933.66; car mileage, 4,405.52		606,329 18

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway		$211,593 99
Renewals of rails		6,328 91
Renewals of ties		68,845 02
Repairs and renewals of bridges and culverts		60,018 47
Repairs and renewals of fences, road crossings, signs and cattle guards		3,724 20
Repairs and renewals of buildings and fixtures		23,296 44
Repairs and renewals of docks and wharves		6,309 72
Repairs and renewals of telegraph		5,763 45
Stationery and printing		309 62
Total		$381,088 83

MAINTENANCE OF EQUIPMENT.

Superintendence		$22,451 22
Repairs and renewals of locomotives		146,200 48
Repairs and renewals of passenger cars		47,680 32
Repairs and renewals of freight cars		144,725 81
Repairs and renewal of work cars		5,768 27
Repairs and renewals of shop machinery and tools		11,034 32
Stationery and printing		1,561 19
Other expenses		1 97
Total		$379,423 58

CONDUCTING TRANSPORTATION.

Superintendence		$42,105 18
Engine and roundhouse men		186,507 65
Fuel for locomotives		266,369 20
Water supply for locomotives		15,532 42
Oil, tallow and waste for locomotives		7,501 33
Other supplies for locomotives		3,068 87
Train service		141,178 99
Train supplies and expenses		32,287 51
Switchmen, flagmen and watchmen		26,344 71
Telegraph expenses		41,380 04
Station service		111,551 23
Station supplies		8,515 82
Switching charges—balance		3,137 72
Car mileage—balance	Cr. $26,295 95	
Hire of equipment		1,407 27
Loss and damage		45,711 56
Injuries to persons		32,637 58
Clearing wrecks		2,165 77
Operating marine equipment		7,880 11
Advertising		12,344 58
Outside agencies		54,516 95
Stock yards and elevators		6,483 65
Rents for tracks, yards and terminals		82,988 87
Rent of buildings and other property	Cr. 3,318 50	
Stationery and printing		13,039 37
Other expenses		15,413 99
Total		$1,130,951 94

GENERAL EXPENSES.

Salaries of general officers		$30,427 34
Salaries of clerks and attendants		33,322 82
General office expenses and supplies		10,757 17
Insurance		12,179 39
Law expenses		30,066 38
Stationery and printing (general offices)		2,992 24
Other expenses		16,377 09
Taxes		70,569 39
Total		$196,701 83

RECAPITULATION OF EXPENSES.

Maintenance of way and structures		$381,088 83
Maintenance of equipment		379,423 58
Conducting transportation		1,130,951 94
General expenses, including taxes		196,701 83
Total operating expenses and taxes		$2,088,166 18
Operating expenses and taxes per mile of road	$1,756 66	
Operating expenses and taxes per train mile run, for trains earning revenue, 2,382,190 miles	87.63	

PROPORTION OF OPERATING EXPENSES AND TAXES FOR MICHIGAN.

Main line		$425,536 41
Leased or proprietary roads:		
Operating expenses	$412,370 48	
Taxes	13,165 93	
Total proportion of expenses for Michigan		$425,536 41
Percentage of expenses to earnings	70.69	
Net earnings per mile of road		885 34
Net earnings per train mile	41.01	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini.
From Minneapolis, Minn., to Sault Ste. Marie, Mich., January 1, 1888.
From Minneapolis, Minn., to Lidgerwood, N. D., December 20, 1886.
From Lidgerwood, N. D., to Boynton, N. D., October 29, 1887.
From Boynton, N. D., to Merricourt, N. D., November 5, 1891.
From Cardigan Junction, Minn., to St. Paul, Minn., February 22, 1888.
From Dresser Junction, Wis., to St. Croix Falls, Wis., September 12, 1887.
From Hankinson, N. D., to Valley City, N. D., November 11, 1891.
From Valley City, N. D., to Cathay, N. D., December 1, 1892.
From Merricourt, N. D., to Kulm, N. D., November 13, 1892.
From Cathay, N. D., to Portal, N. D., September 25, 1893.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Sault Ste. Marie to Menominee River	192.01	
In Wisconsin, from Menominee River to St. Croix River	262.80	
In Minnesota, from St. Croix River to North Dakota Line	273.59	
In N. Dakota, from Minnesota line to Canadian boundary	360.82	
Total length completed	----	1,089 22

BRANCHES.

Gladstone Mich., to end of track	1.10	
Gladstone, Mich., to end of track	1.13	
Setif, Mich., to end of track	1.51	
Cherry, Mich., to end of track	.73	
Masonville, Mich., to end of track	.89	
East Lake, Mich., to end of track	.61	
Marblehead, Mich., to end of track	1.41	
Dresser Junction, Wis., to St. Croix Falls	4.05	
Brantwood, Wis., to end of track	4.57	
Glen Flora, Wis., to end of track	.40	
Prentice, Wis., to end of track	.53	
Rhinelander, Wis., to end of track	.62	
Armstrong Creek, Wis., to end of track	3.05	
Cardigan Junction, Minn., to St. Paul	5.34	
Camden Place, Minn. to Northtown Junction	1.01	
Hankinson, N. D., to Kulm, N. D.	104.54	
Total length of branches owned by company		130.99
Total length of branches owned by company in Michigan	6.88	
Total length of road belonging to this company		1,170.21
Total length of road belonging to this company in Michigan	198.89	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	35.50	
Aggregate length of tracks in Michigan belonging to this company computed as single track		234 39

Gauge of track, 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

Name, description and length of each:	Total miles.	In Michigan.
Minneapolis & St. Paul terminals	7.16	
Sault Ste. Marie terminals	.34	.34
St. Paul & Minneapolis	11.00	
Total	18.50	.34
Total miles operated by the company	1,188.71	199.23

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	13	2,449
Wooden trestles, and approaches to (13)	89	14,010
Total	102	16,459

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
D., S. S. & A. R. R. at Trout Lake.
C. & N. W. R. R. at Hermansville.
C. & N. W. R. R. at Felch Junction.
Logging R. R. at South Manistique.
Logging R. R at Delta Junction.
Logging R. R. at Mille Coquins.
Logging R. R. at Naubinway.

What railroads cross your road either over or under your grade in this State, and where?
Over:
C. & N. W. R. R. at Flat Rock.

At what crossings are interlocking and derailing switches in operation?
Felch Junction, Mich., with C. & N. W. Ry.

What pattern or patterns have you adopted?
Union Switch & Signal Co.

Number of crossings of highways at grade in this State	48

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Wood blocks.

Stations.

Number of stations on whole lines	115
Same in Michigan	18

Employés.

Number of persons regularly employed on all roads operated by company, including officials	1,962
Same in Michigan	348

Classify your employés as per following list:	Number.
Baggagemen, Brakemen	125
Conductors	56
Engineers	93
Firemen	93
Laborers	512
Shopmen	346
Yardmen	36
Others	701

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	317

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:

	Miles.	Miles.
Menominee	25.8	
Delta	12	
Schoolcraft	16.2	
Mackinac	28.6	
Chippewa	84.4	
Total miles required		167

Road bed and track.

Number of track sections in Michigan	26
Average lengths of sections, miles	7.42
Average number of men in each section gang	3
Number of new ties put in whole line during the year	202,593
Number of new ties put in track in Michigan	43,556
Average number of new ties per mile of road	226
New rails put in track:	
Steel, tons, 240¾.	
Total miles of track laid with new rails	2.128

Bridges and culverts.

Amount of trestle work replaced with earth during the year (linear feet)	10,800

ROLLING STOCK.

		Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender		103	
Number of locomotives of 10 to 20 tons weight, exclusive of tender		1	
Total		104	$837,019 53
Number of passenger cars—12-wheel, including official cars		10	$94,997 96
Number of passenger cars—8-wheel, including official cars		36	170,342 15
Number of express and baggage cars		22	45,977 87
Number of box freight cars		4,437	1,683,411 96
Number of stock cars		101	46,968 18
Number of platform cars		705	150,574 54
Number of ore cars		150	48,189 74
Number of conductors' way cars		73	53,064 90
Other cars as follows:			
Furniture	10		
Charcoal	53		
Ballast	53		
Maintenance of way	10		
Refrigerators	14		
		139	98,903 64
Total		5,673	$3,228,800 47
Number of locomotives equipped with power brakes		103	
Number of passenger-train cars equipped with power brakes		68	
Number of freight cars equipped with power brakes		212	

What patterns of power brakes have you in use, and number of locomotives and cars with each?

Locomotives—Westinghouse air, 93; steam, 10	103
Cars—Westinghouse air; passengers equipped, 68; box freight, 110; flat, 50; ballast, 50; plow, 2	280

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
We are complying with U. S. statutes.

How are your passenger cars heated?
Steam heat and Baker improved fire proof heater.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	873,832	143,431
Miles run by freight trains during the year	1,209,825	235,166
Miles run by mixed trains	198,543	51,447
Total mileage of trains earning revenue	2,382,190	430,044

Passenger traffic.—Entire lines.

	Numbers.	Miles.	Rate.
Number of through passengers carried earning revenue	36,968		
Number of local passengers carried, earning revenue	211,979		
Total number of passengers carried, earning revenue	248,947		
Number of passengers carried one mile	19,991,818		
Average distance carried		80	
Average amount received from each passenger			$1 78
Average receipts per mile for through passengers			01.85
Average receipts per mile for local passengers			02.55
Average receipts per passenger per mile for all passengers			02.20

Passenger traffic.—In state of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	21,524		
Number of local passengers carried, earning revenue	42,585		
Total number of passengers carried, earning revenue	64,109		
Number of passengers carried one mile	4,416,228		
Average distance carried		69	
Average amount received from each passenger			$1 64
Average receipts per mile for through passengers			01.97
Average receipts per mile for local passengers			03.31
Average receipts per passenger per mile for all passengers			02.38

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	768,954		
Number of tons of local freight carried, earning revenue	1,014,809		
Total tons of freight carried, earning revenue	1,783,763		
Total mileage of through freight		198,977,506	
Total mileage of local freight		202,705,317	
Total freight mileage or tons carried one mile		401,682,823	
Average ton haul for through freight		259	
Average ton haul for local freight		200	
Average ton haul for all freight		225	
Average amount received for each ton haul			$1 39
Average receipts ton per mile, for through freight			00.49
Average ton receipts per mile, for local freight			00.75
Average receipts ton per mile, for all freight			00.62

Freight traffic.—In State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	483,208		
Number of tons of local freight carried, earning revenue	480,398		
Total tons of freight carried, earning revenue	963,606		
Total mileage of through freight		50,327,030	
Total mileage of local freight		22,070,856	
Total freight mileage or tons carried one mile		72,397,886	
Average ton haul for through freight		108	
Average ton haul for local freight		46	
Average ton haul for all freight		75	
Average amount received for each ton haul			$0.47
Average receipts ton per mile, for through freight			00.59
Average receipts ton per mile, for local freight			00.72
Average receipts ton per mile, for all freight			00.63

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	410,705	4,302	415,007	23.27
Flour	240,319	492	240,811	13.50
Other mill products	10,446	892	11,338	.63
Hay	11,821	1,825	13,646	.76
Fruit and vegetables	5,119	2,613	7,732	.43
Potatoes and other products	3,018	103	3,121	.17
Products of animals:				
Live stock	12,948	400	13,348	.74
Dressed meats	4,780	105	4,885	.27
Poultry, game and fish	1,061	787	1,848	.11
Wool	1,553	154	1,707	.09
Hides and leather	1,997	521	2,518	.14
Products of mines:				
Anthracite coal	5,001	36,857	41,858	2.34
Bituminous coal	8,467	58,527	66,994	3.76
Ores	9,156	129,302	138,458	7.76
Stone, sand, and other like articles	5,302	639	5,941	.33
Salt	967	4,558	5,525	.31
Products of forest:				
Lumber	592,664	34,419	627,083	35.15
Charcoal	4,443	114	4,557	.25
Manufactures:				
Petroleum and other oils	3,243	4,043	7,286	.41
Sugar	815	8,185	9,000	.50
Iron, pig and bloom	1,719	1,289	3,008	.16
Iron and steel rails	3,408	389	3,797	.21
Other castings and machinery	5,839	3,502	9,341	.52
Bar and sheet metal	801	622	1,423	.08
Cement, brick and lime	18,128	2,699	20,827	1.17
Agricultural implements	1,053	232	1,254	.07
Wagons, carriages, tools, etc.	280	150	430	.03
Wines, liquors and beers	1,469	2,109	3,578	.21
Household goods and furniture	2,070	272	2,342	.13
Wire	332	178	510	.03
Merchandise	51,017	29,695	80,712	4.52
Manufactured articles	71	3,188	3,259	.23
Miscellaneous:				
Other commodities not mentioned above	11,887	18,702	30,589	1.72
Total tonnage	1,431,908	351,855	1,783,763	100

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	166,823	1,772	168,595	17.40
Flour	235,372	370	235,742	24.33
Other mill products	8,104	667	8,771	.91
Hay	5,470	654	6,124	.63
Fruit and vegetables	3,222	2,420	5,642	.58
Potatoes and other products	2,278	42	2,320	.24
Products of animals:				
Live stock	585	280	865	.09
Dressed meats	3,753	41	3,794	.39
Poultry, game and fish	1,816	647	2,463	.25
Wool	1,505	38	1,543	.16
Hides and leather	2,006	104	2,110	.21
Products of mines:				
Anthracite coal	5,593	35,663	41,256	4.26
Bituminous coal	1,979	57,515	59,494	6.16
Ores	9,142	122,616	131,758	13.64
Stone, sand and other like articles	4,977	765	5,742	.60
Salt	1,338	4,055	5,393	.55
Products of forest:				
Lumber	167,103	13,583	180,686	18.65
Charcoal	4,386	114	4,500	.46
Manufactures:				
Petroleum and other oils	125	2,444	2,569	.26
Sugar	289	8,352	8,641	.89
Iron, pig and bloom	1,121	1,273	2,394	.24
Iron and steel rails	1,682	318	2,000	.20
Other castings and machinery	2,948	3,529	6,477	.67
Bar and sheet metal	173	599	772	.08
Cement, brick and lime	14,612	2,632	17,244	1.78
Agricultural implements	423	198	621	.07
Wagons, carriages, tools, etc.	12	139	151	.02
Wines, liquors and beers	735	1,890	2,625	.27
Household goods and furniture	449	209	658	.07
Wire	296	178	474	.05
Merchandise	7,212	26,146	33,358	3.44
Manufactured articles	.....	3,137	3,137	.32
Miscellaneous:				
Other commodities not mentioned above	4,436	16,251	20,687	2.13
Total tonnage	659,965	308,641	968,606	100

ADDITIONAL QUESTIONS.

Express Companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

Western Express Company.

They do a general express business, this company's station agents, as a usual thing, acting as their agents.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

Miles of line, 1,160.8; miles of wire, 3,937. Owned by this company.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

INJURED.

January 14, Louis Turck, brakeman, Faithorn. Fell off car; sprained ankle.
January 24, Henry Almam, coal heaver, Gladstone. Jaw bruised; hit by coal bucket.
January 24, Jno. Donoghue, coal heaver, Gladstone. Leg bruised; piece of coal.
January 24, A. B. Cassedy, car repairer, Gladstone. Finger off; caught under wheels.
February 19, H. C. Landis, brakeman, Manistique. Foot wrenched; slipped on platform.
February 19, James Flannery, brakeman, Gladstone. Ankle sprained getting off engine.
April 2, Burt Roycroft, trespasser, Malacca. Feet cut off; run over.
April 5, W. M. Billings, brakeman, Cisco. Finger jammed; coupling.
May 8, Lewis Nelson, carpenter, Gladstone. Foot cut; adzing.
May 1, J. C. Green, brakeman, Gladstone. Head injured; fell off car.
May 9, John A. Martin, shopman, Gladstone. Foot bruised; struck by jack.
May 22, Jos. Jordin, shopman. Toe cut off; struck by coal bucket.
June 7, Wm. Schlafge, shopman, Gladstone. Finger jammed; in cylinder head.
June 11, Joe Blair, brakeman, Gladstone. Finger jammed; coupling.
July 3, Sam. Seigfried, dockman, Gladstone. Finger jammed; loading car.
July 4, Jno. A. Cook, dockman, Gladstone. Finger jammed; loading flour.
July 7, Chas. Linstrom, wheelman, Gladstone. Finger jammed; taking down tackles.
July 15, Geo. Brew, dockman, Gladstone. Finger jammed; blocking car.
July 18, Brent Hanson, dockman, Gladstone. Ankle sprained; jumped off car.
July 29, Jos. Morden, dockman, Gladstone. Thumb jammed; shoveling ore.
July 31, Emil Johnson, dockman, Gladstone. Right hand cut; struck by truck.
July 19, James Keliher, brakeman, Masonville. Back strained; slipped from car.
July 22, E. J. Allen, brakemen, Whitedale. Wrist strained; releasing brakes.
July 30, Thos. Keller, teamster, Newhall. Left ankle broken; struck by logs.
August 5, Jos. Mellick; dockman, Gladstone. Toe crushed; loading merchandise.
August 6, Frank Ferguson, brakeman, Pike Lake. Knee and hip bruised; knocked off car.
August 9, Robert Bishop, dockman, Gladstone. Finger jammed; loading merchandise.
August 9, Ole Olson, dockman, Gladstone. Back hurt; shoveling coal.
August 27, E. J. Reynolds, brakeman, Trout Lake. Chest bruised; switching.
August 28, Gus. Peterson, dockman, Gladstone. Scalp cut; shoveling coal.
August 28, Thomas Uslar, dockman, Gladstone. Hand cut; pushing cars.
August 29, Otto Nelson, coal heaver, Gladstone. Leg sprained; shoveling coal.
September 3, Angus Urbalt, dockman, Gladstone; thigh bruised; caught between car and platform.
September 6, Aug. Johnson, dockman, Gladstone. Finger split; shoveling coal.
September 7, Peter Peterson, dockman. Gladstone. Knee bruised; shoveling coal.
September 8, Jos. Marion, dockman, Gladstone. Chin cut; shoveling coal.
September 9, Aug. Mordren, dockman, Gladstone. Scalp cut; shoveling coal.
September 10, S. Larson, dockman, Gladstone. Leg sprained; shoveling coal.
September 19, F. Ferguson, switchman. Gladstone. Shoulder bruised; coupling.
September 22, J. Beandry, watchman, Gladstone. Thumb jammed; closing car door.
September 26, J. L. Campbell, dockman, Gladstone. Finger jammed; unloading flour.
September 29, A. Heifurth, dockman, Gladstone. Finger broken; loading merchandise.
October 1, J. Olson, trackman, Masonville. Three ribs broken; struck by cable.
October 5, J. Scott, switchman, Gladstone. Hand bruised; coupling.
October 9, W. M. Billings, brakeman, Manistique. Foot cut; stepped on glass.
October 11, T. J. Welliver, brakeman, Gladstone. Arm bruised; switching.
October 14, Louis Olson; machinist, Gladstone. Thumb cut; struck by wrench.
October 18, Swan Peterson, dockman, Gladstone. Ankle sprained; shoveling coal.
October 22, Frank Randolph, brakeman, Masonville. Ankle broken; fell off car.
November 2, John Carlson, coal heaver, Gladstone. Foot cut off; run over by engine.
November 4, E. Hanson, dockman, Gladstone. Two fingers smashed; unloading merchandise.
November 4, A. T. Olson, dockman, Gladstone. Head cut; hoisting coal.
November 9, E. Sents, dockman, Gladstone. Foot bruised; unloading cement.
November 10, E. Eland, dockman, Gladstone. Head and arms bruised; unloading coal.
November 10, C. Agelin, dockman, Gladstone. Ankle sprained; unloading coal.
November 10, Wm. Crawford, dockman, Gladstone. Nose cut; unloading coal.
November 10, C. Tapper, dockman, Gladstone. Ankle sprained; unloading coal.
October 14, Peter Sagle, dockman, Gladstone. Leg bruised; unloading merchandise.
November 13, E. Swanson, carpenter, Naubinway. Chest bruised; fell off bridge.
November 21, Ole Nelson, dockman, Gladstone. Finger jammed; shoveling coal.
November 25, E. E. Beagle, conductor, Gladstone. Back sprained; switching.
November 26, Sam. Segfried, dockman, Gladstone. Scalp cut; shoveling coal.
December 5, Thomas Conklin, watchman, Gladstone. Thumb crushed; fell in hold of boat.
December 3, Fred Olson, dockman, Gladstone. Knee hurt; getting off car.
December 24, Thomas Flynn, switchman Gladstone. Elbow dislocated; slipped on ice.
December 24, Gust. Okland, wiper, Gladstone. Leg burnt; shoveling sand.
December 28, Wm. M. Muni, brakeman, Radfords. Wrist strained; jumped off engine.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars					8	
Falling from trains					4	
Getting on and off trains					6	
Miscellaneous					52	
Trespassers on tracks					1	1
Total					66	1

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons injured during the year	67
Trespassers and tramps killed or injured	1

CLASSIFICATION OF EMPLOYES.

KILLED OR INJURED IN MICHIGAN.

	Killed.	Injured.	Total.
Brakemen		12	12
Conductors		1	1
Laborers		36	36
Shopmen		7	7
Yardmen		5	5
Not classified above		5	5
Total		66	66

STATE OF MINNESOTA, }
COUNTY OF HENNEPIN, } ss.

F. D. Underwood, general manager, and C. W. Gardner, auditor, of the Minneapolis, St. Paul & Sault Ste. Marie Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed, F. D. UNDERWOOD,
C. W. GARDNER.

Subscribed and sworn to before me this 30th day of April, A. D. 1896.

[L. S.] D. W. CASSEDAY,
Notary Public.

ANNUAL REPORT

OF THE

MUNISING RAILWAY COMPANY,

For the year ending December 31, 1896.

[Filed June 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, PAUL P. EELLS, Cleveland, Ohio.
Vice President, FAYETTE BROWN, Cleveland, Ohio.
Secretary, P. B. CHAMBERS, Cleveland, Ohio.
Auditor, H. ST. JOHN, Munising, Mich.
Treasurer, HOWARD P. EELLS, Cleveland, Ohio.
General Manager, EMMET H. SCOTT, La Porte, Ind.
General Superintendent, JOSEPH GUY, Munising, Mich.
Chief Engineer, R. C. YOUNG, Munising, Mich.
Cashier, R. T. McLEAN, Munising, Mich.
General Passenger Agent, H. ST. JOHN, Munising, Mich.
General Freight Agent, H. ST. JOHN, Munising, Mich.
Attorney, A. ST. J. NEWBERRY, Cleveland, Ohio.

DIRECTORS.

PAUL P. EELLS, Cleveland, Ohio.
FAYETTE BROWN, Cleveland, Ohio.
JOSEPH COLWELL, Cleveland, Ohio.
E. F. MICHAEL, La Porte, Ind.
WILLIAM A. MARTIN, La Porte, Ind.
Terms expire July 20, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: July 20, 1895.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 1.
Amount of full paid stock held in Michigan at same date: $100.
Date of annual meeting of stockholders: July 20.
Fiscal year of company ends: Not fixed.
General offices of the company are located at Munising, Mich.

REMARKS.

The first freight cars were switched from the Duluth, South Shore & Atlantic Railway October 25, 1895. The track was completed from Munising Junction to Munising, and connection made with the Duluth, South Shore & Atlantic Railway, and trains began to run regularly on January 15, 1896.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$335 26

Road not in practical operation for revenue during any part of year 1895; the earnings entered above being incidental on construction trains. No answers to these questions is therefore possible.

ANALYSIS OF CAPITAL STOCK.

Amount authorised by charter or articles of association			$870,000 00
Par value of shares	$100 00		
Number of shares issued	8,700		
Amount paid in on common		$870,000 00	
Total amount paid in as per books of the company			870,000 00
Paid in per mile of road owned by company, projected, estimated 87 miles			10,000 00

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

We have just fairly commenced our construction. Have given orders for material and equipment, some of which has been delivered and is being delivered from time to time. For a part partial payments have been made and we owe for a part. It is impossible, for reasons which are obvious from above remarks, to give intelligible answers to these questions until the accounts are closed.

GENERAL BALANCE SHEET.

Cannot fill these blanks. See note above.

DESCRIPTION OF ROAD.

	Miles.
Aggregate length of tracks in Michigan belonging to this company computed as single track	7.02

Gauge of track, 4 feet 8½ inches.

If north of parallel 44 of latitude:
Yes.

Give date road commenced to be built:
August 6, 1895.

Give date road completed:
From Munising Junction to Munising, January 15, 1896.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges, pile	--------	247

Crossings.—Railroad and highway.

What railroads cross your road either over or under your grade in this State, and where? Over:
Duluth, South Shore & Atlantic R. R., at Munsing Junction.

Road bed and track.

Number of track sections in Michigan	1
Average lengths of sections (miles)	6
Average number of men in each section gang	5
Average number of new ties per mile of road	2,640
New rails put in track: All new.	
Steel, 56 lb to yard, all steel.	
Total miles of track laid with new rails	7.02

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	1	$6,000 00
Number of box freight cars	1	$200 00
Number of platform cars	10	1,600 00
Other cars	50	8,500 00
Total	61	$10,300 00
Number of locomotives equipped with power brakes		1

MILEAGE, TRAFFIC, ETC.

Freight traffic.—Road all in State of Michigan.

Total tons of freight carried, earning revenue (tonnage not known) $355 36

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?
None. Telephone line 7½ miles long. Belongs to railway company.

STATE OF OHIO, }
COUNTY OF CUYAHOGA, } ss.

Paul P. Eells, president, and P. B. Chambers, secretary, of the Munising Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. of R. S.] Signed,

PAUL P. EELLS, *President*,
P. B. CHAMBERS, *Secretary*.

Subscribed and sworn to before me this 28th day of May, A. D. 1896.

ROSS FORWARD, JR.,
Notary Public.

ANNUAL REPORT

OF THE

PONTIAC, OXFORD & NORTHERN RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed June 6, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, HUGH PORTER, New York City.
Vice President, GEO. W. DEBEVOISE, New York City.
Secretary, WM. H. MURPHY, New York City.
Auditor, F. H. CARROLL, Pontiac, Mich.
Treasurer, HUGH PORTER, New York City.
General Superintendent, W. C. SANFORD, Pontiac, Mich.
Cashier, F. R. BOYD, JR., Pontiac, Mich.
General Passenger and Freight Agent, W. C. SANFORD, Pontiac, Mich.
Attorney, AUG. C. BALDWIN, Pontiac, Mich.

DIRECTORS.

HUGH PORTER, New York City.
GEO. W. DEBEVOISE, New York City.
L. A. HALE, New York City.
WM. H. MURPHY, New York City.
HENRY A. O'BRIEN, New York City.
A. C. BALDWIN, Pontiac, Mich.
W. C. SANFORD, Pontiac, Mich.
Terms expire September 22, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: September 24, 1889.
Number of stockholders at date of last election: 10.
Number of stockholders in Michigan at same date: 2.
Amount of full paid stock held in Michigan at same date: $2,000.
Date of annual meeting of stockholders: First Wednesday after the third Monday in September.
Fiscal year of company ends June 30.
General offices of the company are located at Pontiac, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$110,215 85
Total expenses, including taxes	$73,060 83	
Net income		$37,155 02
Interest on funded debt	$2,250 00	
Balance applicable to dividends		$34,905 02
Dividends declared (3½ per cent)	$35,000 00	
Balance for the year	$94 98	
Balance (profit and loss) last year		$9,216 01
Balance forwarded to next year	9,121 03	
	$9,216 01	$9,216 01

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$1 000,000 00
Par value of shares		$100 00	
Number of shares issued	10,000		
Amount paid in on common		$1,000,000 00	
Total amount paid in, as per books of the company			$1,000,000 00
Paid in per mile of road owned by company, 100 miles			10,000 00

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage	6%			$75,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated.	Amount.
For miscellaneous		$10,962 64
For current balances		1,833 16
Total unfunded debt		$12,795 80

RECAPITULATION.

Total funded debt	$75,000 00
Total unfunded debt	12,795 80
Total debt liabilities	$87,795 80
Amount of debt liabilities per mile of road, 100 miles	877 95
Total amount of stock and debt	1,087,795 80
Stock and debt per mile of road, 100 miles	10,877 95

GENERAL BALANCE SHEET.—Dr.

Construction account		$893,844 29
Equipment account		118,845 55
Cash items:		
Cash	$72,204 01	
Due from agents	4,019 60	
		76,223 61
Other assets:		
Materials and supplies	$3,163 68	
Debit balances from companies and individuals	4,839 70	
		8,003 38
Total		$1,096,916 83

GENERAL BALANCE SHEET.—Cr.

Capital stock	$1,000,000 00
Funded debt	75,000 00
Unfunded debt:	
Vouchers and accounts	12,795 80
Profit and loss or income accounts	9,121 03
Total	$1,096,916 83

COST OF ROAD AND EQUIPMENT.

PURCHASED BY PRESENT COMPANY.

When purchased: September 24, 1889.	
Original cost to present company of road and equipment	$1,000,000 00
Amount expended since purchase, account of construction	4,344 29
Amount expended since purchase, account of equipment	8,345 55
Total cost to date of report	$1,012,689 84
Average cost per mile of road (not including sidings) 100 miles	10,126 89

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

Main line:	
Extensions and new sidings	$197 64
Total charges to property account as above	197 64
Property sold and credited	384 80
Net deduction from property account	187 16

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$34,414 34	
Through fares	920 82	
Total passenger fares	$35,335 16	
Express and baggage	2,061 89	
Mails	7,585 68	
Total passenger department earnings		$44,982 73
Per train mile	$0 44	
Per mile of road	449 82	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$61,713 56	
Through traffic	3,327 61	
Total traffic	$65,041 17	
Total freight department earnings		65,041 17
Per train mile	$1 13	
Per mile of road	650 41	
Total transportation earnings, entire line		$110,023 90
Transportation earnings per mile of road	$1,100 02	
Transportation earnings per train mile	69.45	
Miscellaneous receipts from operating account, other than for transportation:		
From rents of tracks, yards and terminals	$156 00	
From other sources	35 95	
Total		191 95
Total earnings from operation of road		$110,215 85
Total earnings per mile of road		1,102 15
Total earnings per train mile		69.57
Total taxable earnings per mile of road in Michigan		1,102 15
Total income from all sources		$110,215 85

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$13,080 40
Renewals of ties	5,005 77
Repairs and renewals of bridges and culverts	1,043 84
Repairs and renewals of fences, road crossings, signs and cattle guards	625 89
Repairs and renewals of buildings and fixtures	1,281 26
Total	$21,037 16

MAINTENANCE OF EQUIPMENT.

Repairs and renewals of locomotives	$4,855 25
Repairs and renewals of passenger cars	1,117 99
Repairs and renewals of freight cars	1,818 65
Total	$7,791 89

CONDUCTING TRANSPORTATION.

Engine and roundhouse men	$7,310 74
Fuel for locomotives	3,762 57
Water supply for locomotives	598 65
Oil, tallow and waste for locomotives	752 19
Train service	5,477 50
Train supplies and expenses	408 27
Telegraph expenses	2,279 71
Station service	5,636 27
Station supplies	358 08
Car mileage—balance	1,354 65
Loss and damage	70 06
Injuries to persons	24 06
Total	$33,037 80

GENERAL EXPENSES.

Salaries of general officers	$3,500 00
Salaries of clerks and attendants	2,479 39
Outside agencies and advertising	141 95
Law expenses	1,330 04
Stationery and printing	896 42
Contingencies	641 36
Taxes	2,204 31
Total	$11,193 98

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	28.79	$21,037 16
Maintenance of equipment	10.67	7,791 89
Conducting transportation	45.22	33,037 80
General expenses, including taxes	15.32	11,193 98
Total operating expenses and taxes	100	$73,060 83
Operating expenses and taxes per mile of road		730 60
Operating expenses and taxes per train mile run, for trains earning revenue, 158,421 miles	$0 46.11	
Total proportion of expenses and taxes for Michigan		$73,060 83
Percentage of expenses to earnings 66.28.		
Net earnings per mile of road		371 55
Net earnings per train mile	$0 23.45	

DESCRIPTON OF ROAD.

Date when the road was opened for use between its present termini:
From Pontiac, Mich., to Caseville, Mich., Oct. 8, 1883.

MAIN LINE.

	Miles.
In Michigan, from Pontiac to Caseville	100.20
Total length of road belonging to this company in Michigan	100.20
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	7.61
Aggregate length of tracks in Michigan belonging to this company, computed as single track	107.81

Gauge of track, 4 feet 8½ inches.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	2	130
Wooden trestles	18	1,360
Total	20	1,490

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Michigan Central R. R., at Oxford.
Flint & Pere Marquette R. R., at Clifford.
Saginaw, Tuscola & Huron R. R., at Pigeon.

What railroads cross your road either over or under your grade in this State, and where?
Over:
Chicago & Grand Trunk R. R., at Imlay City.

At what crossings are interlocking and derailing switches in operation?
Oxford.

What pattern or patterns have you adopted?
Saxby & Farmer lever machine, made by Union Switch and Signal Co.

Number of crossings of highway at grade in this State 106

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Space between rails fitted with wood blocking.

Stations.

Number of stations on whole lines (all in Michigan) 22

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan) 99

Classify your employés per following list:	Number.
Baggagemen	2
Brakemen	3
Conductors	3
Engineers	3
Firemen	3
Laborers	32
Shopmen	19
Others	34

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	193.9
Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:	
Tuscola county	0.4
Huron county	5.7
Total miles required	6.1

Road bed and track.

Number of track sections in Michigan	16
Average lengths of sections (miles)	6.26
Number of new ties put in whole line during the year	21,989
Number of new ties put in track in Michigan	21,989
Average number of new ties per mile of road	219.89

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	3	$24,345 55
Number of locomotives of 20 to 30 tons weight, exclusive of tender	3	18,000 00
Total	6	$42,345 55
Number of passenger cars—8-wheel, including official cars	7	$31,500 00
Number of express and baggage cars	1	2,500 00
Number of box freight cars	46	18,400 00
Number of stock cars	4	1,500 00
Number of platform cars	61	21,350 00
Number of conductors' way cars	1	450 00
Other cars:		
Snow plow	1	800 00
Total	121	$118,845 55
Number of locomotives equipped with power brakes		6
Number of passenger train cars equipped with power brakes		8

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse air brake, 8 cars, 4 locomotives.
New York air brake, 1 locomotive.
Eames vacuum driver brake, 1 locomotive.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Hinson.

How are your passenger cars heated?
Hot water circulation. Mason anti-fire heaters.

MILEAGE TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	65,542
Miles run by freight trains during the year	33,954
Miles run by mixed trains	58,925
Total mileage of trains earning revenue	158,421

Passenger traffic.—Road all in State of Michigan.

	Number.	Miles.	Rate.
Number of through passengers carried, earning revenue	396		
Number of local passengers carried, earning revenue	66,839		
Total number of passengers carried, earning revenue	67,235		
Number of passengers carried one mile	1,472,881		
Average distance carried		21.9	
Average amount received from each passenger			$0 52.05
Average receipts per mile for through passengers			02.34
Average receipts per mile for local passengers			02.40
Average receipts per passenger per mile for all passengers			02.39

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	3,020		
Number of tons of local freight carried, earning revenue	76,854		
Total tons of freight carried, earning revenue	79,874		
Total mileage of through freight		287,917	
Total mileage of local freight		2,269,688	
Total freight mileage or tons carried one mile		2,557,605	
Average ton haul for through freight		95.3	
Average ton haul for local freight		29.5	
Average ton haul for all freight		32	
Average amount received for each ton haul			$0 81.42
Average receipts ton per mile, for through freight			01.15
Average receipts ton per mile, for local freight			02.71
Average receipts ton per mile, for all freight			03.54

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	6,551	435	6,986	8.75
Flour	480	50	530	.66
Hay	5,105	83	5,188	6.50
Fruit and vegetables	150	12	162	.20
Potatoes	9,898		9,898	12.39
Products of animals:				
Live stock	4,169	1,876	6,045	7.57
Poultry, game and fish	224		224	.28
Wool	142		142	.18
Products of mines:				
Anthracite coal		4,075	4,075	5.11
Bituminous coal		6,876	6,876	8.61
Stone, sand and other like articles	334	50	384	.48
Salt	333	225	558	.70
Products of forest:				
Lumber	11,892	2,926	14,818	18.56
Logs	4,206		4,206	5.27
Shingles	2,464	30	2,494	3.12
Manufactures:				
Petroleum and other oils		116	116	.15
Iron, pig and bloom, and scrap	184	398	582	.73
Other castings and machinery	94	103	197	.25
Cement, brick and lime	74	2,731	2,805	3.51
Agricultural implements		11	11	.01
Wagons, carriages, tools, etc.	2,264	355	2,619	3.27
Household goods and furniture	187	52	239	.29
Merchandise	3,712	6,405	10,117	12.66
Miscellaneous:				
Other commodities not mentioned above	267	335	602	.75
Total tonnage	52,730	27,144	79,874	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

American Express Company.

One and one-half and one and one-tenth first-class freight rates and one and one-half fare for messengers. General express business. Take their freights at depot.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

100 miles; owned jointly by this company and the Western Union Telegraph Co.

STATEMENT OF ACCIDENTS.

INJURED.

July 30, 1895, Charles E. Kelly, brakeman, Pigeon. Loss of thumb and portion of index and middle fingers while coupling cars; carelessness.

STATE OF MICHIGAN, }
COUNTY OF OAKLAND, } ss.

W. C. Sanford, general superintendent, and Wm. H. Murphy, secretary, of the Pontiac, Oxford & Northern Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

W. C. SANFORD, *General Superintendent.*
WILLIAM H. MURPHY, *Secretary.*

Subscribed and sworn to before me this 5th day of June, A. D. 1896.

[L. S.]

FRANK H. CARROLL,
Notary Public, Oakland County.

ANNUAL REPORT

OF THE

SAGINAW, TUSCOLA & HURON RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed April 6, 1896.]

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES.

President, WILLIAM L. WEBBER, Saginaw, E. S., Mich.
Vice President, GEO. W. MORLEY, Saginaw, E. S., Mich.
Secretary, SAMUEL G. HIGGINS, Saginaw, E. S., Mich.
Auditor, WYLLYS C. RANSOM, Saginaw, E. S., Mich.
Treasurer, WILLIAM H. HART, Saginaw, E. S., Mich.
General Manager, SANFORD KEELER, Saginaw, E. S., Mich.
Freight and Ticket Agent, WILLIAM B. ROSEVEAR, Saginaw, E. S., Mich.

DIRECTORS.

WILLIAM L. WEBBER, Saginaw, E. S., Mich.
GEORGE W. MORLEY, Saginaw, E. S., Mich.
JAMES B. PETER, Saginaw, E. S., Mich.
JOHN S. ESTABROOK, Saginaw, E. S., Mich.
SAMUEL G. HIGGINS, Saginaw, E. S., Mich.
WILLIAM H. HART, Saginaw, E. S., Mich.
ISAAC BEARINGER, Saginaw, E. S., Mich.
Terms expire May 21, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: February 24, 1881.
Number of stockholders at date of last election: 128.
Number of stockholders in Michigan at same date: 118.
Amount of full paid stock held in Michigan at same date: $60,800.
Date of annual meeting of stockholders: Third Thursday of May each year.
Fiscal year of company ends: December 31.
General offices of the company are located at Saginaw, E. S., Mich.

GENERAL EXHIBIT.

		Debit.	Credit.
Total earnings from operation			$114,170 99
Total expenses, including taxes		$89,246 70	
Net income			$24,924 29
Interest on unfunded debt		$64,669 59	
Balance for the year		$39,745 30	
Balance (profit and loss) last year		165,785 65	
Items not included in above, as follows:			
Debits	$4,570 90		
Credits	135 71		
		4,435 19	
Balance forwarded to next year			$209,916 14

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association				$600,000 00
Par value of shares		$100 00		
Number of shares issued	1,223			
Amount paid in on common			$122,300 00	
Amount paid in on shares not issued (number)	15		255 38	
Paid in per mile of road owned by company, 66 57 miles			$122,555 38	$1,856 02

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

$1,000,000 first mortgage, 40 years, 5 per cent bonds authorized to be issued to the Continental Trust Company of New York City as trustee.

Said bonds have not been sold, but are pledged as collateral security for advances made account of construction and equipment of the road.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded, or how liquidated?	Amount.
For construction		$715,290 51
For equipment		50,059 59
For real estate		54,287 79
For miscellaneous		357,363 80
For current balances		10,194 81
Total unfunded debt		$1,187,196 50

RECAPITULATION.

Total debt liabilities	$1,187,196 50
Amount of debt liabilities per mile of road, 66.57 miles	17,833 81
Total amount of stock and debt	1,310,751 88
Stock and debt per mile of road, 66.57 miles	19,689 83

GENERAL BALANCE SHEET—Dr.

Construction account		$746,191 30	
Equipment account		212,638 92	
Other investments:			
Bay Port hotel and grounds	$48,967 19		
Bay Port quarries	58,111 71		
General office buildings and grounds	14,597 68		
Saginaw Bay Coal Co. stocks	1,500 00		
Saginaw depot, grounds, gravel pits and other real estate, etc.	6,846 70		
		130,023 28	
			$1,088,853 50
Cash items:			
Cash		$3,496 08	
Bills receivable		2,620 16	
Due from agents		2,533 93	
			8,650 17
Other assets:			
Materials and supplies		$116 97	
Debit balances from companies and individuals		3,215 10	
			3,332 07
Profit and loss			209,916 14
Total			$1,310,751 88

GENERAL BALANCE SHEET—Cr.

Capital stock, amount paid in			$123,555 38
Unfunded debt:			
Vouchers and accounts		$7,445 32	
Other liabilities:			
Treasurer State of Michigan, taxes 1895	$2,273 21		
Credit balance to company and individual account traffic	476 23		
Credit balance to company and individual account equipment	28,390 75		
Unclaimed wages	312 75		
Miscellaneous accounts, $7.86, $30.00	27 56		
Advances made, account construction and equipment and interest on same to December 31, 1895	1,148,270 33		
		1,179,751 18	
			1,187,196 50
Total			$1,310,751 88

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$958,830 22
Average cost per mile of road (not including sidings), 66.57 miles	14,403 34
Proportion of cost for Michigan	958,830 22

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

New sidings	$623 55	
Bay Port dock	8,051 59	
New buildings	5,163 77	
New fences	42 66	
Machinery and tools	1,537 08	
New locomotives	1,369 60	
Land and right of way	1,776 93	
Total		$18,465 15
Total charges to property account as above		18,465 15
Net addition to property account		18,465 15

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$31,420 11	
Through fares	6,351 09	
Total passenger fares	$37,771 20	
Express and baggage	465 73	
Mails	4,965 28	
Total passenger department earnings		$43,202 21
Per train mile	$0 49.39	
Per mile of road	648 97	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	47,910 52	
Through traffic	22,293 48	
Total traffic	$70,204 00	
Total freight department earnings		70,204 00
Per train mile	$1 59.6	
Per mile of road	1,054 58.9	
Total transportation earnings, entire line		$113,406 21
Transportation earnings per mile of road	1,703 56	
Transportation earnings per train mile, 131,452 miles	86.272	

Miscellaneous receipts from operating account, other than for transportation:		
From telegraph	$724 49	
From other sources	40 29	
Total		$764 78
Total earnings from operation of road		$114,170 99
Total earnings per mile of road	$1,715 05	
Total earnings per train mile	86.853	
Proportion of taxable earnings for Michigan	114,170 99	
Total taxable earnings per mile of road in Michigan	1,715 05	
Income other than from earnings		93 42
Total income from all sources		$114,264 41
Proportion of income for Michigan		114,264 41

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$12,767 13
Renewals of ties	2,614 99
Repairs and renewals of bridges, culverts and cattle guards	1,570 79
Repairs and renewals of fences, road crossings and signs	1,899 88
Repairs and renewals of buildings and fixtures	2,423 14
Repairs and renewals of telegraph	255 96
Stationery and printing	85 55
Total	$21,617 44

MAINTENANCE OF EQUIPMENT.

Superintendence	$960 00
Repairs and renewals of locomotives	7,549 52
Repairs and renewals of passenger cars	3,345 89
Repairs and renewals of freight cars	2,130 38
Stationery and printing	169 06
Other expenses	373 50
Total	$14,428 35

CONDUCTING TRANSPORTATION.

Superintendence		$1,485 00
Fuel for locomotives		8,358 44
Water supply for locomotives		640 99
Oil, tallow and waste for locomotives		766 65
Train service		14,960 51
Train supplies and expenses		142 19
Telegraph expenses		2,321 34
Station service		4,617 74
Station supplies		160 53
Car mileage—balance		641 87
Hire of equipment	Cr. $42 90	
Loss and damage		222 80
Injuries to persons		505 00
Advertising		849 74
Rent for tracks, yards and terminals		1,200 00
Stationery and printing		507 22
Total		$37,337 17

GENERAL EXPENSES.

Salaries of general officers	$5,975 00
Salaries of clerks and attendants	3,020 54
Insurance	1,066 77
Law expenses	55 45
Stationery and printing (general offices)	253 61
Other expenses	2,633 25
Taxes	2,859 12
Total	$15,863 74

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	24.22	$21,617 44
Maintenance of equipment	16.17	14,428 35
Conducting transportation	41.84	37,337 17
General expenses, including taxes	17.77	15,863 74
Total operating expenses and taxes	100	$89,246 70
Operating expenses and taxes per mile of road	$1,340 65	
Operating expenses and taxes per train mile run, for trains earning revenue, 131,452 miles	67.82	
Total proportion of expenses and taxes for Michigan		$89,246 70
Percentage of expenses to earnings	78.16	
Net earnings per mile of road	374 40	
Net earnings per train mile	18.45	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Saginaw to Sebewaing, April 4, 1883.
From Sebewaing to Bay Port, June 15, 1884.
From Bay Port to Bad Axe, July 1, 1886.

MAIN LINE.

		Miles.
In Michigan, from Saginaw to Bad Axe		64.38

BRANCHES.

	Miles.	
Bay Port, from Bay Port Junction to Bay Port	1.38	
Quarry, from Quarry Junction to Quarry	.81	
Total length of branches owned by company		2.19
Total length of branches owned by company in Michigan	2.19	
Total length of road belonging to this company		66.57
Total length of road belonging to this company in Michigan	66.57	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	15.76	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		82.33

Gauge of track, 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

	All in Michigan.
Total miles operated by the company	66.57

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	12	576
Iron bridges	1	77
Total	13	653

Draw bridges in Michigan.

How many on your line?	1

Where located, when built, and length of draw span:	Feet.
Sebewaing, 1891	35

Character of structure:
Swing span on table pier.

Material of which constructed:
Iron.

Height above water, and depth of water under bridge:
7 feet above water; 7 feet deep.

How swung, by engine or hand power?
Hand.

Approaches straight or curved?
Straight.

Do you require all trains to come to full stop before crossing a draw, and how are they signaled?
Yes; during season of navigation signalled by flag in day time and lamp after dark.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Flint & Pere Marquette R. R. at Saginaw, E. S.
Michigan Central R. R. at Reese.
Pontiac, Oxford & Northern R. R. at Pigeon.

Number of crossings of highways at grade in this State	83
Number of crossings of highways at grade in this State at which there are gates or flagmen	4

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Substantially blocked with wood and kept in safe condition.

Stations.

Number of stations on whole lines (all in Michigan)	17

Employés.

Number of persons regularly employed on all roads operated by company, including officials, (all in Michigan)	157

Classify your employés as per following list:	Number.
Baggagemen	3
Brakemen	6
Conductors	5
Engineers	5
Firemen	5
Laborers	60
Shopmen	29
Others	44

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	183.14

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed?
None.

Road bed and track.

Number of track sections in Michigan	11
Average lengths of sections, miles	6
Number of new ties put in whole line during the year	12,500
Number of new ties put in track in Michigan: All.	
Average number of new ties per mile of road	186

Bridges and culverts.

Amount of trestle work replaced with earth during the year (linear feet)	168
Timber culverts replaced during the year:	
With timber, number	10
With stone, number	8

New bridges built during the year: Number, 2.

Location—nearest station.	Kind.	Material.	Month built.	Feet in length.
Arthur	Stone abutments, timbers, chords and stringers		October	12 feet opening.
Shebeon	Stone abutments, timbers, chords and stringers		June	12 feet opening.

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	8	$24,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender (express)	1	
Total	9	
Number of passenger cars—8-wheel, including official cars	13	$24,000 00
Number of express and baggage cars	3	4,500 00
Number of box freight cars	25	7,500 00
Number of platform cars	95	19,000 00
Number of conductors' way cars	3	1,000 00
Other cars as follows:		
Coal	50	12,500 00
Total	189	$68,500 00

Number of locomotives equipped with power brakes	9
Number of passenger train cars equipped with power brakes	16

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse automatic.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Thurmond and Hinson.

How are your passenger cars heated?
By steam from locomotive.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	87,466
Miles run by freight trains during the year	43,986
Total mileage of trains earning revenue	131,452

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	7,675		
Number of local passengers carried, earning revenue	46,900		
Total number of passengers carried, earning revenue	54,575		
Number of passengers carried one mile	1,515,615		
Average distance carried		27.7712	
Average amount received from each passenger			$0 69.21
Average receipts per mile for through passengers			02.06
Average receipts per mile for local passengers			02.602
Average receipts per passenger per mile for all passengers			02.426

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	41,636		
Number of tons of local freight carried, earning revenue	73,006		
Total tons of freight carried, earning revenue	114,642		
Total mileage of through freight		1,141,790	
Total mileage of local freight		2,504,300	
Total freight mileage, or tons carried one mile		3,646,090	
Average ton haul for through freight		27.423	
Average ton haul for local freight		34.302	
Average ton haul for all freight		31.804	
Average amount received for each ton haul			$0 61.2
Average receipts ton per mile, for through freight			01.952
Average receipts ton per mile, for local freight			01.913
Average receipts ton per mile, for all freight			01.925

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	4,384	90	4,474	3.90
Flour and provisions	3,440		3,440	3.00
Potatoes, other agricultural products	3,213		3,213	2.80
Products of animals:				
Live stock	3,435	12	3,447	3.00
Products of mines:				
Anthracite coal		30	30	
Bituminous coal	36,532		36,532	31.87
Stone, sand and other like articles	24,479	436	24,915	21.74
Products of forest:				
Lumber and shingles	5,177	119	5,296	4.62
Heading and staves	8,336		8,336	7.28
Other forest products	17,385	12	17,397	15.18
Miscellaneous:				
Other commodities not mentioned above	5,122	2,450	7,572	6.61
Total tonnage	111,493	3,149	114,642	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

The American Express Company; at 1½ first class freight rates. Carry valuable packages and freights for speedy delivery to destination. Received on board of express cars at our depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

67 miles.

Belongs to the S., T. & H. R. R. Co., but operated by the Western Union Telegraph Co., under contract with them.

Transportation Companies.

SLEEPING, DRAWING ROOM AND PALACE CAR COMPANIES.

What sleeping, drawing room, chair or other palace passenger cars, not the exclusive property of your own or some other railroad company, have, during the year, been in use on your road in the State of Michigan, and on what terms? If rented by you, or allowed mileage between local points in this State, what was the amount paid for the use of such cars during the period under report?

No sleeping, drawing room, chair or other passenger cars other than those belonging to railroad companies have been in use on this road during the year.

Fast freight lines.

To what fast freight lines, or other transportation companies running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid?

Name of company.	General office.	Amount paid.
Anglo-American Refrigerator Car Co.	Chicago, Ill.	$1 60
American Refrigerator Transit Co.	St. Louis, Mo.	80
Armour Car Lines	Chicago, Ill.	2 55
Canada Cattle Car Co.	New York City, N. Y.	06
Cleveland Provision Co.	Cleveland, Ohio	18
Chicago Coal & Car Co.	Columbus, Ohio	18
Continental Line	Chicago, Ill.	37
Commercial Despatch Line	Indianapolis, Ind.	1 34
Hammond Refrigerator Line	Hammond, Ind.	80
Laurel Hill Coal and Car Co.	Chicago, Ill.	1 00
Live Poultry Transportation Co.	Chicago, Ill.	18
Mather Horse & Stock Car Co.	Chicago, Ill.	79
Morris Coal Co.	Cleveland, Ohio	6 69
Merchants' Despatch Transportation Co.	New York City	30 83
National Despatch Line	Boston, Mass.	23 74
New England Car Co.	Boston, Mass.	07

STATE OF MICHIGAN, }
COUNTY OF SAGINAW, } ss.

William L. Webber, president, and Wyllys C. Ransom, auditor, of the Saginaw, Tuscola & Huron Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

WM. L. WEBBER,
W. C. RANSOM.

Subscribed and sworn to before me this 25th day of March, A. D. 1896.

[L. S.]

JOHN W. BILLING,
Notary Public.

ANNUAL REPORT

OF THE

SAGINAW VALLEY & ST. LOUIS RAILROAD COMPANY

For the year ending December 31, 1895.

[Filed April 8, 1896.]

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES

President, NATHANIEL THAYER, Boston, Mass.
General Auditor, C. W. COURTWRIGHT, Boston, Mass.
Auditor, U. B. ROGERS, Grand Rapids, Mich.
Treasurer, JAMES E. HOWARD, Grand Rapids, Mich.
General Manager, CHARLES M. HEALD, Grand Rapids, Mich.
General Superintendent, J. K. V. AGNEW, Grand Rapids, Mich.
Assistant Superintendent, T. M. MALONE, Ionia, Mich.
Chief Engineer, J. J. McVEAN, Grand Rapids, Mich.
General Passenger Agent, GEO. DEHAVEN, Grand Rapids, Mich.
General Freight Agent, F. V. DAVIS, Grand Rapids, Mich.
Attorney, WM. ALDEN SMITH, Grand Rapids, Mich.

DIRECTORS.

NATHANIEL THAYER, Boston, Mass.
E. V. R. THAYER, Boston, Mass.
H. H. HUNNEWELL, Boston, Mass.
GEORGE WHITNEY, Boston, Mass.
CHARLES MERRIAM, Boston, Mass.
GEO. O. SHATTUCK, Boston, Mass.
G. ST. L. ABBOTT, Boston, Mass.
JOHN A. BURNHAM, Boston, Mass.
C. F. ADAMS, Boston, Mass.
A. H. HARDY, Boston, Mass.
H. NEWCOMB, Boston, Mass.
F. H. DAMON, Boston, Mass.
CHAS. M. HEALD, Grand Rapids, Mich.

Terms expire July 8, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: May 17, 1871.
Number of stockholders at date of last election: 84.
Number of stockholders in Michigan at same date: 66.
Amount of full paid stock held in Michigan at same date: $25,200.
Date of annual meeting of stockholders: Second Wednesday in July.
Fiscal year of company ends: December 31.
General offices of the company are located at Grand Rapids, Mich.

GENERAL EXHIBIT.

		Debit.	Credit.
Total earnings from operation			$84,057 72
Total expenses, including taxes		$66,009 64	
Net income			$18,048 08
Interest on funded debt	$35,680 00		
Interest on unfunded debt	1,734 60		
Rentals of buildings, tracks, etc.	7,000 00		
		$44,414 60	
Balance for the year		$26,366 52	
Balance (profit and loss) last year		164,498 45	
Balance forward to next year		$190,864 97	

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$300,000 00
Par value of shares	$100 00		
Number of shares issued	2,558		
Amount paid in on common		$255,800 00	
Amount paid in on shares not issued (95 shares)		9,504 01	
Total amount paid in as per books of the company			264,804 01
Paid in per mile of road owned by company, 35.50 miles			7,459 27

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage bonds	8%	May 1, 1903	New York City	$446,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For construction For equipment For real estate For renewals For miscellaneous For current balances	To be paid from earnings	$202,138 85

RECAPITULATION.

Total funded debt	$446,000 00
Total unfunded debt	202,138 85
Total debt liabilities	$648,138 85
Amount of debt liabilities per mile of road, 35.50 miles	$18,257 43
Total amount of stock and debt	912,943 86
Stock and debt per mile of road, 35.50 miles	25,716 70

GENERAL BALANCE SHEET.—Dr.

Construction account	$603,016 16	
Equipment account	87,037 00	
		$690,053 16
Cash items:		
Cash	$3,610 85	
Due from agents	574 65	
		4,185 50
Other assets:		
Materials and supplies	$1,720 23	
Debit balances from companies and individuals	26,109 00	
		27,829 23
Profit and loss		190,864 97
Total		$912,942 86

GENERAL BALANCE SHEET.—Cr.

Capital stock	$264,804 01	
Funded debt	446,000 00	
		$710,804 01
Unfunded debt	$95,146 67	
Vouchers and accounts	6,664 94	
Other liabilities:		
Net traffic balances due other companies	3,816 14	
Saginaw & Grand Rapids R. R. Co.	35,423 27	
Detroit, Lansing & Northern R. R. Co.	61,077 83	
		202,138 85
Total		$912,942 86

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$690,053 16
Average cost per mile of road (not including sidings) 35.50 miles	19,438 12
Proportion of cost for Michigan	690,053 16
Charges and credits to property during the year	95,146 67
Total charges to property account as above	1,086 09
Net addition to property account	1,086 09

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$40,291 22	
Through fares	1,167 33	
Total passenger fares	$41,458 55	
Express and baggage	1,680 00	
Mails	4,221 60	
Total passenger department earnings		$47,360 15
Per train mile	$0 71	
Per mile of road	1,050 11	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$34,721 78	
Through traffic	1,631 81	
Total traffic	$36,353 59	
Other sources, freight department earnings	52 00	
Total freight department earnings		36,405 59
Per train mile	$1 29	
Per mile of road	807 23	
Total transportation earnings, entire line		$83,765 74
Transportation earnings per mile of road	$1,857 33	
Transportation earnings per train mile	88	

Miscellaneous receipts from operating account, other than for transportation, as follows:		
From telegraph companies	$91 98	
From other sources	200 00	
		$291 98
Total		84,057 72
Total earnings from operation of road		$84,057 72
Total earnings per mile of road	$1,863 80	
Total earnings per train mile	89	
Proportion of taxable earnings for Michigan	84,057 72	
Total taxable earnings per mile of road in Michigan	1,863 80	
Total income from all sources		84,057 72
Proportion of income for Michigan		84,057 72

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway		$992 20
Renewals of rails (less)	$202 78	
Renewals of ties		3,182 09
Repairs and renewals of bridges and culverts		426 31
Repairs and renewals of fences, road crossings, signs and cattle guards		1,324 83
Repairs and renewals of buildings and fixtures		787 52
Repairs and renewals of telegraph		70
Stationery and printing. (See general expenses.)		
Total		$15,011 87

MAINTENANCE OF EQUIPMENT.

Superintendance. (See salaries general officers.)	
Repairs and renewals of locomotives	$2,352 57
Repairs and renewals of passenger cars	1,792 08
Repairs and renewals of freight cars	1,563 52
Stationery and printing. (See general expenses.)	
Total	$5,708 17

CONDUCTING TRANSPORTATION.

Superintendance. (See salaries general officers.)		
Engine and roundhouse men		$7,119 53
Fuel for locomotives		9,006 38
Water supply for locomotives		262 15
Oil, tallow and waste for locomotives		315 14
Train service		5,313 28
Train supplies and expenses		162 53
Telegraph expenses		1,438 67
Station service		6,908 94
Station supplies		593 47
Switching charges—balance		2 15
Car mileage—balance		4,583 20
Loss and damage		377 77
Injuries to persons		50
Advertising		361 44
Outside agencies		1,881 15
Rent of buildings and other property (less)	$30 00	
Stationery and printing. (See general expenses.)		
Total		$38,355 80

GENERAL EXPENSES.

Salaries of general officers	$1,448 03
Salaries of clerks and attendants	1,967 10
General office expenses and supplies	238 41
Insurance	334 71
Law expenses	290 84
Stationery and printing (general offices)	831 38
Other expenses	243 92
Taxes	1,659 51
Total	$6,933 80

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	23.74	$15,011 87
Maintenance of equipment	8.65	5,708 17
Conducting transportation	58.11	38,355 80
General expenses, including taxes	10.50	6,933 80
Total operating expenses and taxes	100	$66,009 64

Operating expenses and taxes per mile of road		$1,463 66
Operating expenses and taxes per train mile run, for trains earning revenue, 94,606 miles		70
Total proportion of expenses and taxes for Michigan		$66,009 64
Percentage of expenses to earnings	78.53	
Net earnings per mile of road		400 17
Net earnings per train mile		19

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Paines to St. Louis, January, 1873.
Alma to Ithaca, March, 1883.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Paines to St. Louis		28.60

BRANCHES.

Ithaca, from Alma to Ithaca	6.90	
Total length of branches owned by company		6.90
Total length of branches owned by company in Michigan	6.90	
Total length of road belonging to this company		35.50
Total length of road belonging to this company in Michigan	35.50	
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated	4.12	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		39.62

Gauge of track, 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

Name, description and length of each:	Total miles.	In Michigan.
Saginaw & Grand Rapids R. R., St. Louis to Alma	3.60	
Jackson, Lansing & Saginaw R. R., East Saginaw to Paines	6.00	
Total	9.60	9.60
Total miles operated by the company	45.10	45.10

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	2	63
Wooden trestles	6	478
Total	8	541

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Ann Arbor R. R. at St. Louis.

Number of crossings of highways at grade in this State	65

Are your frogs and guard rails blocked as required by act 174, session laws of 1883?
Yes.

How are they treated?
Hart guard and blocked with plank.

Stations.

Number of stations on whole lines (all in Michigan)	13

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan)	53

Classify your employés as per following list:	Number.
Baggagemen	1
Brakemen	4
Conductors	3
Engineers	3
Firemen	3
Laborers	19
Others	20

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you? 78.14 miles.

Road bed and track.

Number of track sections in Michigan	7
Average lengths of sections, miles	5.63
Average number of men in each section gang	3
Number of new ties put in whole line during the year	12,000
Number of new ties put in track in Michigan	12,000
Average number of new ties per mile of road	338

Bridges and culverts.

Timber culverts replaced during the year	8
With sewer pipe—number	6
With timber—number	2

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of 20 to 30 tons weight, exclusive of tender	3	$7,500 00
Total	3	$7,500 00
Number of passenger cars—8-wheel, including official cars	2	$5,000 00
Number of express and baggage cars	1	1,500 00
Number of box freight cars	10	2,500 00
Number of platform cars	40	7,000 00
Number of conductors' way cars	2	400 00
Total number	55	$23,900 00

Number of locomotives equipped with power brakes	3
Number of passenger train cars equipped with power brakes	3
Number of freight cars equipped with power brakes	3

What pattern or patterns of power brakes have you in use, and number of locomotives and cars with each?
All Westinghouse automatic.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887.
Yes.

What pattern or patterns have you adopted for use?
Gould.

How are your passenger cars heated?
Steam.

MILEAGE TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	66,496
Miles run by freight trains during the year	28,112
Miles run by mixed trains	1,358
Total mileage of trains earning revenue	94,608

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	952		
Number of local passengers carried, earning revenue	87,451		
Total number of passengers carried, earning revenue	88,433		
Number of passengers carried one mile	1,678,535		
Average distance carried		18.981	
Average amount received from each passenger			$0 46.881
Average receipts per mile for through passengers			02.642
Average receipts per mile for local passengers			02.465
Average receipts per passenger per mile for all passengers			02.470

Freight Traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	1,013		
Number of tons of local freight carried earning revenue	67,809		
Total tons of freight carried, earning revenue	68,822		
Total mileage of through freight		45,585	
Total mileage of local freight		1,515,441	
Total freight mileage or tons carried one mile		1,561,026	
Average ton haul for through freight		45	
Average ton haul for local freight		22 349	
Average ton haul for all freight		22.682	
Average amount received for each ton haul			$0 53.823
Average receipts ton per mile for through freight			02.580
Average receipts ton per mile for local freight			02.291
Average receipts ton per mile for all freight			02.329

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	2,832	75	2,907	4.22
Flour	537	96	633	.92
Other mill products	219	49	268	.39
Hay	965	43	1,008	1.47
Fruit and vegetables	385	148	533	.77
Products of animals:				
Live stock	827	13	840	1.22
Dressed meats	174	55	229	.33
Other packing house products	66	19	85	.12
Poultry, game and fish	5	5	10	.02
Wool	79		79	.12
Hides and leather	77	22	99	.14
Products of mines:				
Anthracite coal	149	116	265	.39
Bituminous coal	111		111	.16
Stone, sand, and other like articles	43	7	50	.07
Salt	9,813	6	9,818	14.27
Products of forest:				
Lumber	27,994	11,693	39,687	57.66
Charcoal	12		12	.02
Manufactures:				
Petroleum and other oils	368	113	481	.70
Bar and sheet metal	580	193	773	1.12
Cement, brick and lime	1,289	270	1,559	2.27
Agricultural implements	157	95	252	.37
Wagons, carriages, tools, etc.	16	1	17	.02
Wines, liquors and beers	86	97	183	.27
Household goods and furniture	370	150	520	.75
Merchandise	3,853	1,890	5,743	8.34
Miscellaneous:				
Other commodities not mentioned above	2,343	317	2,660	3.87
Total tonnage	53,349	15,473	68,822	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

The American Express Co. They handle their own freight.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

32.19 miles. Western Union Telegraph Co.

STATE OF MICHIGAN, }
COUNTY OF KENT, } ss.

Charles M. Heald, general manager, and U. B. Rogers, auditor, of the Saginaw Valley & St. Louis Railroad Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

CHARLES M. HEALD,
U. B. ROGERS.

Subscribed and sworn to before me this 6th day of April, A. D. 1896.

[L. S.]

ERNEST N. WELLER,
Notary Public, Kent County, Mich.

ANNUAL REPORT

OF THE

SAULT STE. MARIE BRIDGE COMPANY,

For the year ending December 31, 1896.

[Filed April 5, 1896.]

NAMES AND RESIDENCES OF OFFICERS OF THE COMPANY.

President, CALVIN S. BRICE, Lima, O. Office, New York City.
Secretary and Treasurer. GEO. H. CHURCH, 46 Wall St., New York City.

ORGANIZATION, ETC.

When chartered or articles of association filed: March 16, 1887.
Number of stockholders at date of last election: 12.
Number of stockholders in Michigan at same date: 1.
Date of annual meeting of stockholders: First Wednesday in June each year.
General offices of the company are located at 46 Wall street, New York City.

STOCKHOLDERS, DECEMBER 31, 1896.

Names.	Residence.	Amount held.
Calvin S. Brice	New York City	$100 00
George T. Bliss	" " "	100 00
George H. Church	" " "	249,800 00
Stillman Gray	" " "	100 00
Charles F. Halsted	" " "	499,500 00
Thomas Lowry	Minneapolis, Minn.	100 00
James McMillan	Detroit, Mich.	100 00
S. F. Sullivan	New York City	249,800 00
Samuel Thomas	" " "	100 00
Sir Wm. C. Van Horne	Montreal, P. Q.	100 00
Walter Watson	New York City	100 00
Thomas G. Shaughnessy	Montreal, P. Q.	100 00
Total		$1,000,000 00

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Character and date of issue.	Rate of interest.	When due.	Payable when.	Amount outstanding.
First mort. ($1,000) bonds dated July 1, 1887.	5%	Jan. 1, July 1	July 1, 1937	$900,000 00

RECAPITULATION.

Total indebtedness	$900,000 00
Total stock and debt	1,900,000 00

COST.

Total cost of bridge and belongings	$1,900,000 00

TRACK.

Length of single main track—feet	6,421
Length of single main track—feet in Michigan	1,900
Total track	6,421

ANALYSIS OF EARNINGS AND EXPENSES.

EARNINGS.

From rentals or tolls: Under agreement with the Canadian Pacific Railway Company, Duluth, South Shore & Atlantic Railway Company, and the Minneapolis, St. Paul & Sault Ste. Marie Railway Company, the amount paid for use of bridge is to be the expenses of operating, and the interest and sinking fund on the bonded indebtedness and no more.

Total earnings on entire track	$60,001 13
Proportion of total earnings on 1,900 feet of track in Michigan	17,754 58

EXPENSES.

Operating.

Salaries of officers and clerks, Management and maintenance,	$5,697 36
Taxes	667 33
Interest on first mortgage bonds	45,000 00
Miscellaneous, sinking fund	5,500 00

Property account.

For renewals and improvements	3,136 45
Total	$60,001 13

RECAPITULATION.

Expenses for operating and taxes	$6,364 68
Expense for property account	3,136 45
Total expenses for the year	$9,501 13
Interest on bonds and sinking fund	50,500 00

VERIFICATION.

STATE OF NEW YORK, } ss.
COUNTY OF NEW YORK, }

Calvin S. Brice, president, and George H. Church, secretary, of the Sault Ste. Marie Bridge Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of the said company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

Signed,

[L. S. OF R. R.]

CALVIN S. BRICE, *President.*
GEO. H. CHURCH, *Secretary.*

Subscribed and sworn to before me this 2d day of April, A. D. 1896.
[L. S.]

S. F. SULLIVAN,
Notary Public, Kings County.

Certificate filed in New York county.

ANNUAL REPORT

OF THE

SOUTH HAVEN & EASTERN RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed February 26, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, R. B. DODSON, New York City.
Secretary, W. G. SNOW, New York City.
Auditor, ERNEST F. EILERT, Lawton, Mich.
Treasurer, R. B. DODSON, New York City.
General Manager, R. H. ENGLAND, Lawton, Mich.
Superintendent of Telegraph, ERNEST F. EILERT, Lawton, Mich.
General Passenger Agent, *General Freight Agent* ..... } ERNEST F. EILERT Lawton, Mich.
Attorneys:
THOS. J. CAVANAUGH, Paw Paw, Mich.
HOWARD J. MANSFIELD, New York City.

DIRECTORS.

CHARLES D. BACKUS, New York, N. Y.
W. G. SNOW, New York, N. Y.
R. B. DODSON, New York, N. Y.
CHAS. H. CAMPBELL, Detroit, Mich.
CHAS. J. MONROE, South Haven, Mich.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: April 1, 1876, S. & S. H. R. R.; May 23, 1894, S. H. & E. R. R.
Date of annual meeting of stockholders: Third Thursday in May.
Fiscal year of company ends: December 31.
General offices of the company are located at Lawton, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$19,642 47
Total expenses, including taxes	$15,906 44	
Net income		3,736 03
Balance applicable to dividends		3,736 03
Balance for the year		$3,736 03
Balance, profit and loss, last year (as revised)		1,778 26
Balance forward to next year		$5,514 29

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$300,000 00
Par value of shares	$100 00		
Number of shares issued		$216,000 00	
Amount paid in on preferred		2,500 00	
Total amount paid in, as per books of the company			218,500 00
Paid in per mile of road owned by company, 36.60 miles			5,978 28

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage bonds, April 1, 1895*		April 1, 1925	New York City	$216,000 00

* Rate of interest at three per cent for two years, then four per cent for three years, then five per cent until maturity.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For miscellaneous		$900 00
For current balances		4,000 00
Total unfunded debt		$4,900 00

RECAPITULATION.

Total funded debt	$216,000 00
Total unfunded debt	4,900 00
Total debt liabilities	$220,900 00
Amount of debt liabilities per mile of road, 36.60 miles	6,035 52
Total amount of stock and debt	439,400 00
Stock and debt per mile of road, 36.60 miles	12,005 46

GENERAL BALANCE SHEET.—Dr.

Construction account		$139,558 19
Equipment account		
Cash items:		
Cash	$405 50	
Due from agents	638 17	
		1,043 67
Other assets:		
Materials and supplies	$900 00	
Debit balances from companies and individuals	3,412 43	
		4,312 43
Total		$444,914 29

GENERAL BALANCE SHEET.—Cr.

Capital stock	$218,500 00	
Funded debt	216,000 00	
		$434,500 00
Unfunded debt:		
Notes payable	$4,000 00	
Vouchers and accounts	900 00	
Profit and loss or income accounts	5,514 29	
		10,414 29
Total		$444,914 29

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$439,558 19
Average cost per mile of road (not including sidings) 36.60 miles	12,009 78
Proportion of cost for Michigan	439,558 19

PURCHASED BY PRESENT COMPANY.

When purchased: May 23, 1894, S. H. & E. R. R.	
Original cost to present company of road and equipment	$430,241 21
Amount expended since purchase, account of construction } Amount expended since purchase, account of equipment }	9,316 98
Total cost to date of report	439,558 19
Average cost per mile of road (not including sidings) 36.60 miles	12,009 78
Proportion of cost for Michigan	439,558 19

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$9,703 91	
Total passenger fares	$9,703 91	
Express and baggage	2,455 44	
Mails	1,736 12	
Other sources, telegraph	42 30	
Total passenger department earnings		$13,937 77
Per train mile	$0 30	
Per mile of road	380 81	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	5,704 70	
Total freight department earnings		5,704 70
Per train mile	$0 12	
Per mile of road	155 89	
Total transportation earnings, entire line		$19,642 47
Transportation earnings per mile of road	$536 67	
Transportation earnings per train mile	42	
Total earnings from operation of road		19,642 47
Total earnings per mile of road		536 67
Total earnings per train mile		42
Proportion of taxable earnings for Michigan		19,642 47
Total taxable earnings per mile of road in Michigan		536 67
Total income from all sources		$19,642 47

ANALYSIS OF EXPENSES.

Maintenance of way and structures		$4,298 41
Maintenance of equipment		1,464 09
Conducting transportation		8,019 79
General expenses, including taxes		2,129 15
Total operating expenses and taxes		$15,906 44
Operating expenses and taxes per mile of road		434 60
Operating expenses and taxes per train mile run, for trains earning revenue, 46,502 miles		34
Total proportion of expenses and taxes for Michigan		15,906 44
Percentage of expenses to earnings	1.22	
Net earnings per mile of road		102 07
Net earnings per train mile		08

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Lawton to South Haven, August, 1887.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Lawton to South Haven	36.60	
Total length of road belonging to this company		36.60
Total length of road belonging to this company in Michigan	36.60	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated		1.20
Aggregate length of tracks in Michigan belonging to this company computed as single track		37.80

Gauge of track, 3 feet.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	9	800
Total	9	800

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
C. & W. M. R. R. at Hartford.
Michigan Central R. R. at South Haven.

At what crossings are interlocking and derailing switches in operation?
Hartford.

What pattern or patterns have you adopted?
Scotch block.

Number of crossings of highways at grade in this State 21

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
With wood.

Stations.

Number of stations on whole lines (all in Michigan) 7

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan) 28

Classify your employés as per following list:	Number.
Baggagemen	1
Brakemen	1
Conductors	1
Engineers	1
Firemen	1
Laborers	18
Shopmen	1
Yardmen	1
Others	3

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you:
51 miles.

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
23 miles.

Road bed and track.

Number of track sections in Michigan	6
Average length of sections, miles	6
Average number of men in each section gang	3
Number of new ties put in whole line during the year / Number of new ties put in track in Michigan	26,411

Bridges and culverts.

Amount of trestle work replaced with earth during the year (linear feet) 120

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of 10 to 20 tons weight, exclusive of tender	3	$7,000 00
Number of passenger cars—8-wheel, including official cars	4	7,000 00
Number of express and baggage cars	3	3,500 00
Number of box freight cars	13	2,500 00
Number of platform cars	16	3,200 00
Other cars	12	600 00
Total	50	$23,800 00

Number of locomotives equipped with power brakes	2
Number of passenger train cars equipped with power brakes	7
Number of freight cars equipped with power brakes	2

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse—Engines, 2; coaches, 7.
Eames vacuum—Cars, 2.

How are your passenger cars heated?
Stoves, Baker heater and steam direct from engine.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Total mileage of trains earning revenue	46,502

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Total number of passengers carried, earning revenue	32,871		
Number of passengers carried one mile	388,625		
Average distance carried		12	
Average amount received from each passenger			$0 29
Average receipts per passenger per mile for all passengers			03

Freight traffic.—Road all in the State of Michigan.

	Tons.	Miles.	Rate.
Total tons of freight carried earning revenue	7,876		
Total mileage of local freight		168,348	
Average receipts per ton per mile for all freight			$0 04

[FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain			920	
Flour			540	
Hay			20	
Fruit and vegetables			450	
Potatoes			25	
Products of animals:				
Live stock			400	
Products of mines				
Anthracite coal / Bituminous coal			175	
Stone, sand and other like articles			150	
Salt			120	
Products of forest:				
Lumber			1,122	
Logs			980	
Shingles			570	
Manufactures:				
Petroleum and other oils			114	
Sugar			150	
Other castings and machinery			50	
Cement, brick and lime			120	
Agricultural implements			25	
Wagons, carriages, tools, etc.			25	
Wines, liquors and beers			15	
Household goods and furniture			25	
Merchandise			1,850	
Total tonnage			7,876	

ADDITIONAL QUESTIONS.

Express Companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

American Express Company. An agreed basis.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

Western Union Telegraph Company. Four miles telephone, S. H. & E. R. R.

STATE OF MICHIGAN, } ss.
COUNTY OF VAN BUREN, }

Rob't H. England, general manager of the South Haven & Eastern Railroad Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. OF R. R.] Signed,

R. H. ENGLAND, *General Manager.*
ERNEST F. EILERT, *Auditor.*

Subscribed and sworn to before me this 25th day of February, A. D. 1896.

R. M. STANTON,
Justice of the Peace, Van Buren Co.

ANNUAL REPORT

OF THE

ST. CLAIR TUNNEL COMPANY,

For the year ending December 31, 1895.

[Filed April 4, 1896.]

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES.

President, CHARLES M. HAYS, Montreal, Can.
Vice President, JOHN BELL, Belleville, Can.
Secretary and Treasurer, CHARLES PERCY, Montreal, Can.
General Superintendent, F. H. McGUIGAN, Montreal, Can.
Chief Engineer, JOSEPH HOBSON, Montreal, Can.
Attorney, E. W. MEDDAUGH, Detroit, Mich.

DIRECTORS.

CHARLES M. HAYS, Montreal, P. Q.
JOHN BELL, Belleville, Ont.
EDWARD WRAGGE, Toronto, Ont.
HON. A. VIDAL, Sarnia, Ont.
CHARLES MACKENZIE, Sarnia, Ont.
E. W. MEDDAUGH, Detroit, Mich.
W. J. SPICER, Detroit, Mich.
Terms expire September, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: October 13, 1886 and November 24, 1886.
Number of stockholders at date of last election: 8.
Number of stockholders in Michigan at same date: 2.
Amount of full paid stock held in Michigan at same date: $7,500 on $15,000 held.
Date of annual meeting of stockholders: Last Wednesday in September.
Fiscal year of company ends June 30.
General offices of the company are located at Montreal, Can.

REMARKS.

This company derives its revenue from tolls levied on passenger and freight cars and other vehicles forming railway trains passing through the St. Clair Tunnel. The company haul such trains through the tunnel with their own locomotives and train crews, and to that extent only perform the functions of a railway company. Hence many of the statistics asked for in this report, and which pertain to the operations of a railway proper, cannot be given as no records are kept.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$207,318 50
Total expenses, including taxes	$87,915 21	
Net income		$119,403 29
Interest on funded debt	$125,000 00	
Balance for the year	$5,596 71	
Balance (profit and loss) last year	24,195 36	
Balance forwarded to next year	$29,792 07	

ANALYSIS OF CAPITAL STOCK.

Amount authorised by charter or articles of association			$700,000 00
Par value of shares		$100 00	
Number of shares issued	7,000		
Amount paid in on common		50%	
Total amount paid in, as per books of the company			350,000 00
Paid in per mile of road owned by company, 2¼ miles			155,555 00

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage bonds	5%	July 1, 1940	Montreal	$2,500,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For current balances		$29,792 07

RECAPITULATION.

Total funded debt	$2,500,000 00
Total unfunded debt	29,792 07
Total debt liabilities	$2,529,792 07
Amount of debt liabilities per mile of road, 2¼ miles	1,124,352 02
Total amount of stock and debt	2,879,792 07
Stock and debt per mile of road, 2¼ miles	1,279,907 58

GENERAL BALANCE SHEET.—Dr.

Construction account	$2,740,904 20	
Equipment account	69,938 61	
Other investments:		
Land and land damages	112,614 31	
Machinery and tools	275,091 21	
Miscellaneous expenses	23,754 30	
		$3,223,302 73
Other assets:		
Debit balances from companies and individuals		31,489 34
Total		$3,254,792 07

GENERAL BALANCE SHEET.—Cr.

Capital stock (paid up)	$350,000 00	
Funded debt	2,500,000 00	
Government subsidy	375,000 00	
		$3,225,000 00
Unfunded debt:		
Vouchers and accounts		29,792 07
Total		$3,254,792 07

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$3,222,302 73
Average cost per mile of road (not including sidings), 2¼ miles	1,432,578 99
Proportion of cost for Michigan	1,611,651 36

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

Main line:	
Extensions and new sidings	
Second track	$7,368 47
New buildings	
Total	$7,368 47

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:	
Tolls on passenger cars	$22,253 00
Per mile of road	19,780 44

FREIGHT EARNINGS.

Main line and branches:	
Tolls on freight cars and new engines	$81,406 25
Per mile of road	72,361 11

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

Main line and branches:	
Tolls on passenger cars	$44,506 00
Per mile of road	19,780 44

FREIGHT EARNINGS.

Main line and branches:	
Tolls on freight cars and new engines	$162,813 50
Per mile of road	72,361 11

Total transportation earnings, entire line	$207,318 50
Transportation earnings per mile of road	92,141 55
Proportion of taxable earnings for Michigan	103,659 25
Total taxable earnings per mile of road in Michigan	92,141 55
Total income from all sources	207,318 50
Proportion of income for Michigan	103,659 25

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Maintenance of way and structures	$7,368 47

MAINTENANCE OF EQUIPMENT.

Mechanical department charges	$54,949 38

CONDUCTING TRANSPORTATION.

Traffic department charges	$20,588 15

GENERAL EXPENSES.

General charges	$8,802 87
Taxes	5,217 72

RECAPITULATION OF EXPENSES.

Total operating expenses and taxes	$87,915 21
Operating expenses and taxes per mile of road	39,073 42
Total proportion of expenses and taxes for Michigan	43,957 60
Net earnings per mile of road	58,068 12

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini.
From Sarnia to Port Huron: For freight traffic, October 24, 1891; for passenger traffic, December 7, 1891.

MAIN LINE.

	Miles.
In Michigan	1.12½
In Canada	1.12½
Total length of road belonging to this company	2.25
Total length of road belonging to this company in Michigan	1.12½

Gauge of track, 4 feet 8½ inches.

Crossings—railroad and highway.

Are you frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

Employés.

Number of persons regularly employed on all roads operated by company, including officials	57
Same in Michigan	19
Classify your employés as per following list:	Number.
Brakemen	10
Conductors	4
Engineers	6
Firemen	6
Laborers	5
Others	26

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	1.01

Road bed and track.

Number of track sections in Michigan	1
Average length of sections, miles	1.12½
Average number of men in each section gang	3
Number of new ties sut in whole line during the year	98
Number of new ties put in track in Michigan	7
Average number of new ties per mile of road	43
New rails put in track, steel, tons 47½, miles	0.27

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	4	$14,000 00
Number of conductors' way cars	9	$900 00
Number of locomotives equipped with power brakes		4

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse air brakes.

ADDITIONAL QUESTIONS.

Express Companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

The company derives no revenue from express business.

Telegraph.

Number of miles of telegraph on your road, and to whom does it blong?

2¼ miles. The Great Northwestern Telegraph Company.

PROVINCE OF QUEBEC, } ss.
CITY OF MONTREAL, }

Charles M. Hays, president, and Charles Percy, treasurer, of the St. Clair Tunnel Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

Signed,

[L. S. OF R. R.] CHAS. M. HAYS,
CHAS. PERCY.

Subscribed and sworn to before me this 1st day of March, A. D. 1896.

[L. S.] P. GORMAN,
U. S. Vice Consul General at Montreal Can.

ANNUAL REPORT

OF THE

ST. JOSEPH VALLEY RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed April 17, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, A. A. PATTERSON, JR., Chicago, Ill.
Vice President, D. H. PATTERSON, Chicago, Ill.
Secretary, F. McOMBER, Berrien Springs, Mich.
Treasurer, F. L. REEVES, Berrien Springs, Mich.
General Manager, A. A. PATTERSON, JR., Chicago, Ill.
Chief Engineer, W. W. GRAVES, St. Joseph, Mich.
Attorney, M. L. HOWELL, Cassopolis, Mich.

DIRECTORS.

A. A. PATTERSON, JR., Chicago, Ill.
D. H. Patterson, Chicago, Ill.
F. McOMBER, Berrien Springs, Mich.
F. L. REEVES, Newark, N. J.
J. A. PATTERSON, Albany, N. Y.
F. B. BENTON, Chicago, Ill.
Terms expire when new board is elected.

STOCKHOLDERS, STOCK, AND GENERAL OFFICES.

When chartered or articles of association filed? August 1, 1889.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 2.
Amount of full paid stock held in Michigan at same date: $400.00.
Date of annual meeting of stockholders: First Tuesday in April.
Fiscal year of company ends: December 31.
General offices of the company are located at Berrien Springs, Mich.

REMARKS.

The road is now in control of a construction company for the purpose of rebuilding and extending, and was not in operation during the year 1895, the term for which this report is called.
The road will be put in perfect order early in 1896, and opened and operated for business.

GENERAL EXHIBIT.

Road not in operation year of 1895.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$300,000 00
Par value of shares	$100 00		
Number of shares issued	3,000		
Amount paid in on common		$300,000 00	
Total amount paid in, as per books of the company			300,000 00
Paid in per mile of road owned by company			30,000 00

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage bonds August, 1889	5%	Aug. 1, 1919	New York City	$50,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For construction For equipment For real estate For renewals For miscellaneous For current balances		$60,046 49

RECAPITULATION.

Total funded debt	$50,000 00
Total unfunded debt	60,046 49
Total debt liabilities	$110,046 49
Amount of debt liabilities per mile of road, 10 miles, and 6 miles extension, graded	11,004 64
Total amount of stock and debt	410,046 49
Stock and debt per mile of road, 10 miles, and 6 miles extension, graded	41,004 64

GENERAL BALANCE SHEET.—Dr.

Cost of road, franchises, etc.	$350,000 00	
Extension of line	15,989 42	
		$365,989 42
Cash items:		
Cash		
Bills receivable		799 71
Due from agents		
Suspense account		43,257 36
Total		$410,046 49

GENERAL BALANCE SHEET.—Cr.

Capital stock	$300,000 00	
Funded debt	50,000 00	
		$350,000 00
Unfunded debt:		
Interest unpaid, coupons	$15,000 00	
Notes payable	13,464 79	
Vouchers and accounts	31,581 70	
		60,046 49
Total		$410,046 49

COST OF ROAD AND EQUIPMENT.

Purchased by present company.

When purchased: August 1, 1889.

Original cost to present company, of road and equipment	$350,000 00
Amount expended since purchase, account of construction	15,989 42
Total cost to date of report	365,989 42
Average cost per mile of road (not including sidings) 10 miles	36,598 94

Proportion of cost for Michigan: All.

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Buchanan, Mich., to Berrien Springs, Mich., August 1, 1889.

MAIN LINE.

	Miles.
In Michigan, from Buchanan to Berrien Springs	10
Total length of road belonging to this company in Michigan	10
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	.50
Aggregate length of tracks in Michigan belonging to this company computed as single track	10.50

Gauge of track: 4 feet 8½ inches.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden trestles	11	1,529.8

Crossings—railroad and highway.

Number of crossings of highways at grade in this State	10

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Plank blocking.

Stations.

Number of stations on whole lines (all in Michigan)	4

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan)	16

Classify your employés as per following list:	Number.
Brakemen	1
Conductors	1
Engineers	1
Firemen	1
Laborers	6
Yardmen	1

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	14
Give the number of miles required to complete fence both sides of your track in Michigan and the counties in which needed:	
Berrien county	6

Road bed and track.

Number of track sections in Michigan	1
Average lengths of sections (miles)	10
Average number of men in each section gang	6

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of 20 to 30 tons weight, exclusive of tender	1	
Total	1	
Number of platform cars	1	
Total	1	
Number of locomotives equipped with power brakes	1	

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
No.

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?
(When in operation) American Express Co., 15c per cwt; $35.00 for messenger per month. Take freight at depot.

STATE OF ILLINOIS, }
COUNTY OF COOK, } ss.

A. A. Patterson, Jr., president, and D. H. Patterson, vice president, of the Saint Joseph Valley Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

A. A. PATTERSON, JR., *President.*
D. H. PATTERSON, *Vice President.*

Subscribed and sworn to before me this 8th day of April, A. D. 1896.

[L. S.] GILES HUBBARD,
Notary Public.

ANNUAL REPORT

OF THE

SUPERIOR TERMINAL RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed February 3, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, GEORGE HAYDEN, Ishpeming, Mich.
Vice President, JAMES H. HOYT, Cleveland, Ohio.
Secretary, JAMES H. HOYT, Cleveland, Ohio.
Treasurer, W. D. REES, Cleveland, Ohio.
General Manager, C. H. HALL, Ishpeming, Mich.

DIRECTORS.

GEORGE HAYDEN, Ishpeming, Mich.
JAMES H. HOYT, Cleveland, Ohio.
CHARLES H. MOSS, Ishpeming, Mich.
WILLIAM H. JOHNSON, Ishpeming, Mich.
H. O. YOUNG, Ishpeming, Mich.
Terms expire February 11, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: January 27, 1893.
Number of stockholders at date of last election: 8.
Number of stockholders in Michigan at same date: five.
Amount of full paid stock held in Michigan at same date: None full paid in Michigan.
Date of annual meeting of stockholders: Second Tuesday in February each year.
Fiscal year of company ends: None yet established—no business yet done.
General offices of the company are located at Ishpeming.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$65,000 00
Par value of shares	$100 00		
Number of shares issued	610		
Amount paid in on preferred		$61,000 00	
Amount paid in on shares not issued (number, 40), or 40 shares not issued		200 00	
Total amount paid in as per books of the company			61,200 00
Paid in per mile of road owned by company, 8 miles			7,650 00

COST OF ROAD AND EQUIPMENT.

Purchased by present company.

When purchased: April 29, 1893.
Original cost to present company of road and equipment: It is impossible to state this.
Amount expended since purchase, account of construction: This road was built from time to time at various periods, covering a term of about 30 years, by the Lake Superior Iron Company, to facilitate shipments of its product, and were its own private tracks, and are still, notwithstanding the incorporation thereof in the present railway company, assessed to the L. S. I. Co., as its property, and taxes paid thereon.

ANALYSIS OF EARNINGS IN STATE OF MICHIGAN.

This road has never been operated, its tracks are terminal tracks at the mines of the Lake Superior Iron Company, and have been and are now assessed to the Lake Superior Iron Company as a part of its taxable property in the city of Ishpeming.

DESCRIPTION OF ROAD.

	Miles
Aggregate length of tracks in Michigan belonging to this company, computed as single track	8

Gauge of track, 4 feet 8½ inches.

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of 10 to 20 tons weight, exclusive of tender	2	$5,000 00

No other rolling stock owned by the company. These locomotives have been heretofore and are now assessed to the Lake Superior Iron Co. as a part of its personal property, because used only by that company.

STATE OF MICHIGAN, }
COUNTY OF MARQUETTE, } ss.

George Hayden, president, of the Superior Terminal Railway Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true, full, and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. OF R. R.] Signed,

GEO. HAYDEN.

Subscribed and sworn to before me this 18th day of January, A. D. 1896.

T. W. DURHAM,
Notary Public.

ANNUAL REPORT

OF THE

TOLEDO, SAGINAW & MUSKEGON RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed April 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, CHARLES M. HAYS, Montreal, Province of Quebec.
Vice President and General Manager, W. J. SPICER, Detroit, Mich.
Secretary and Treasurer, JAMES H. MUIR, Detroit, Mich.
Superintendent, A. B. ATWATER, Detroit, Mich.
Mechanical Superintendent, HERBERT ROBERTS, Detroit, Mich.
Chief Engineer, GEORGE MASSON, Detroit, Mich.
Traffic Manager, JOHN W. LOUD, Detroit, Mich.
Solicitor, E. W. MEDDAUGH, Detroit, Mich.

DIRECTORS.

LEWIS J. SEARGEANT, Montreal, Province of Quebec.
C. JESSE CHURCH, Greenville, Mich.
LYMAN E. MASON, Muskegon, Mich.
C. W. MEDDAUGH, Detroit, Mich.
E. MIDDLETON, Greenville, Mich.
GEORGE B. REEVE, Chicago, Ill.
W. J. SPICER, Detroit, Mich.

Terms expire third Thursday in April, 1896, or until successors are elected.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: January 25, 1886.
Number of stockholders at date of last election: 8.
Number of stockholders in Michigan at same date: 5.
Amount of full paid stock held in Michigan at same date: $500.
Date of annual meeting of stockholders: Third Thursday in April.
Fiscal year of company ends December 31.
General offices of the company are located at Detroit, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$94,968 78
Total expenses, including taxes	$113,420 21	
Net deficit	$18,451 43	
Interest on funded debt	81,800 00	
Balance for the year	$100,251 43	
Balance (loss) from 31st December, 1894	192,373 70	
Items not included in above, as follows:		
Advanced by Grand Trunk R'y Co. of Canada and Chicago & Grand Trunk R'y Co., under traffic agreement		35,958 95
Balance forwarded to next year		256,666 18
	$292,625 13	$292,625 13

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$2,800,000 00
Par value of shares	$100 00		
Number of shares issued	16,000		
Amount paid in on common		$1,600,000 00	
Total amount paid in, as per books of the company			1,600,000 00
Paid in per mile of road owned by company, 96 miles			16,666 67

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mort. bonds, dated 2d July, 1888	5%	1st July, 1918	New York City	$1,636,000 00

UNFUNDED DEBT.

For what incurred?	Is the same to be funded or how liquidated?	Amount.
For current balances		$673,968 35

RECAPITULATION.

Total funded debt	$1,636,000 00
Total unfunded debt	673,968 35
Total debt liabilities	$2,309,968 35
Amount of debt liabilities per mile of road, 96 miles	24,062 17
Total amount of stock and debt	3,909,968 35
Stock and debt per mile of road, 96 miles	40,728 84

GENERAL BALANCE SHEET.—Dr.

Construction account / Equipment account		$3,249,365 50
Cash items:		
Cash	$2,593 72	
Due from agents	2,574 15	
		5,167 87
Other assets:		
Materials and supplies	$10,644 06	
Debit balances from companies and individuals	99,374 23	
		110,018 29
Grand Trunk R'y of Canada, for interest coupons pledged as security for advances under traffic agreement per contract	$199,034 81	
Chicago & Grand Trunk R'y Co., under traffic agreement	89,715 70	
		288 750 51
Profit and loss		256,666 18
Total		$3,909,968 35

GENERAL BALANCE SHEET.—Cr.

Capital stock	$1,600,000 00	
Funded debt	1,636,000 00	
		$3,236,000 00
Unfunded debt:		
Interest unpaid	$238,214 75	
Vouchers and accounts	142,276 22	
Other liabilities:		
Wages for December, 1895, paid in January, 1896	4,726 87	
Grand Trunk R'y Co. of Canada, for advances under traffic agreement	199,034 81	
Chicago & Grand Trunk R'y Co. for advances under traffic agreement	89,715 70	
		673,968 35
Total		$3,909,968 35

COST OF ROAD AND EQUIPMENT.

PURCHASED BY PRESENT COMPANY.

When purchased: August 1, 1888.	
Original cost to present company of road and equipment	$3,160,000 00
Amount expended since purchase, account of construction	86,695 50
Amount expended since purchase, account of equipment	2,670 00
Total cost to date of report	3,249,365 50
Average cost per mile of road (not including sidings) 96 miles	$33,847 56
Proportion of cost for Michigan	3,249,365 50

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

MAIN LINE.

Main line:	
Improvements of line	$12,964 09
Total charges to property account as above	$12,964 09
Net addition to property account	$12,964 09

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$22,484 01	
Through fares	1,096 82	
Total passenger fares	$23,580 83	
Express and baggage	921 79	
Mails	7,249 08	
Other sources	16 86	
Total passenger department earnings		$31,767 56
Per train mile	$0 41	
Per mile of road	271 52	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$50,902 54	
Through traffic	12,298 68	
Total traffic	$63,201 22	
Total freight department earnings		63,201 22
Per train mile	$0 74	
Per mile of road	540 18	
Total transportation earnings, entire line		$94,968 78
Transportation earnings per mile of road	$811 70	
Transportation earnings per train mile	58	
Total earnings from operation of road		$94,968 78
Total earnings per mile of road	811 70	
Total earnings per train mile	58	
Proportion of taxable earnings for Michigan		94,968 78
Total taxable earnings per mile of road in Michigan	811 70	
Total income from all sources		$94,968 78
Proportion of income for Michigan		94,968 78

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$17,167 49
Renewals of rails	743 11
Renewals of ties	7,132 10
Repairs and renewals of bridges and culverts	3,774 54
Repairs and renewals of fences, road crossings, signs and cattle guards	1,326 88
Repairs and renewals of buildings and fixtures	1,398 25
Repairs and renewals of docks and wharves	102 02
Stationery and printing	56 20
Total	$31,695 59

MAINTENANCE OF EQUIPMENT.

Superintendence	$300 00
Repairs and renewals of locomotives	6,063 07
Repairs and renewals of passenger cars	2,105 56
Repairs and renewals of freight cars	2,966 95
Repairs and renewals of shop machinery and tools	541 02
Stationery and printing	88 66
Other expenses	113 25
Total	$12,177 51

CONDUCTING TRANSPORTATION.

Engine and roundhouse men	$12,424 58
Fuel for locomotives	12,315 57
Water supply for locomotives	647 58
Oil, tallow and waste for locomotives	457 34
Train service	7,812 62
Train supplies and expenses	2,100 69
Switchmen, flagmen and watchmen	3,069 87
Telegraph expenses	898 97
Station service	10,318 34
Station supplies	1,742 14
Car mileage—balance	1,182 26
Loss and damage	708 17
Injuries to persons	5 00
Advertising	345 59
Outside agencies	209 88
Commissions	155 81
Rents for tracks, yards and terminals	10,720 31
Rent of buildings and other property	848 00
Stationery and printing	691 19
Total	$66,753 41

GENERAL EXPENSES.

General office expenses and supplies	$94 28
Insurance	547 03
Law expenses	15 00
Stationery and printing (general offices)	31 43
Taxes	2,105 96
Total	$2,793 70

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	27.95	$31,695 59
Maintenance of equipment	10.74	12,177 51
Conducting transportation	58.85	66,753 41
General expenses, including taxes	2.46	2,793 70
Total operating expenses and taxes	100	$113,420 21
Operating expenses and taxes per mile of road	$969 40	
Operating expenses and taxes per train mile run, for trains earning revenue, 162,842 miles	70	
Total proportion of expenses and taxes for Michigan		$113,420 21
Percentage of expenses to earnings 119.43		
Net loss per mile of road	157 70	
Net loss per train mile	11	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini.
From Ashley, Mich., to Muskegon, Mich., August 1, 1888.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Ashley to Muskegon	96	
Total length of road belonging to this company		96
Total length of road belonging to this company in Michigan	96	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated	9.97	
Aggregate length of tracks in Michigan belonging to this company computed as single track		105.97

Gauge of track, 4 feet 8½ inches.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	4	375
Wooden trestles	70	6,837
Total	74	7,212

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Detroit, Lansing & Northern R. R. at Sheridan & Greenville.
Grand Rapids & Indiana R. R. at Cedar Springs and Muskegon.
Chicago & West Michigan R'y at Sparta, Fruitport Junction and Muskegon.

At what crossings are interlocking and derailing switches in operation?
At Detroit, Lansing & Northern R. R. crossings at Sheridan and Greenville.
At Grand Rapids & Indiana R. R. crossing at Cedar Springs.
At Chicago & West Michigan R'y crossings at Sparta, Fruitport and Muskegon.

What pattern or patterns have you adopted?
Wharton's.

Number of crossings of highways at grade in this State	125
Number of crossings of highways at grade in this State at which there are gates or flagmen	3
Number of crossings of highways over or under railroad (over 2), (under 2)	4
Number of highway bridges, 18 ft. above track	2

Have safety guards been erected at overhead obstructions?
Yes.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Plank blocking.

Stations.

Number of stations on whole lines (all in Michigan)	26

Employés.

Number of persons regularly employed on all roads operated by company, including officials, (all in Michigan)	116

Classify your employés as per following list:	Number.
Baggagemen	2
Brakemen	6
Conductors	4
Engineers	6
Firemen	3
Laborers	48
Shopmen	4
Yardmen	1
Others	42

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	192

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
None.

Road bed and track.

Number of track sections in Michigan	10
Average lengths of sections, miles	9.6
Average number of men in each section gang	4
Number of new ties put in whole line and sidings during the year	49,788
Number of new ties put in track and sidings in Michigan	49,788
Average number of new ties per mile of road and sidings	470

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	5	$25,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	1	3,000 00
Total	6	$28,000 00
Number of passenger cars—8-wheel, including official cars	2	$7,000 00
Number of express and baggage cars	4	10,000 00
Number of box freight cars	80	32,000 00
Number of platform cars	52	15,600 00
Number of conductors' way cars	2	1,100 00
Total	140	$65,700 00
		$93,700 00
Number of locomotives equipped with power brakes		6
Number of passenger-train cars equipped with power brakes		6

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Westinghouse air brake. Engines 6, coaches 6.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Preparing to equip them.

What pattern or patterns have you adopted for use?
Gould.

How are your passenger cars heated?
Baker heater (hot water.)

MILEAGE, TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by passenger trains during the year	77,220
Miles run by freight trains during the year	1,694
Miles run by mixed trains	83,928
Total mileage of trains earning revenue	162,842

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried earning revenue	432		
Number of local passengers carried, earning revenue	43,165		
Total number of passengers carried, earning revenue	43,597		
Number of passengers carried one mile	1,074,151		
Average distance carried		24.6	
Average amount received from each passenger			$0 54.09
Average receipts per mile for through passengers			02.17
Average receipts per mile for local passengers			02.20
Average receipts per passenger per mile for all passengers			02.20

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	12,366		
Number of tons of local freight carried, earning revenue	70,507		
Total tons of freight carried, earning revenue	82,873		
Total mileage of through freight		1,422,752	
Total mileage of local freight		2,669,514	
Total freight mileage or tons carried one mile		4,092,296	
Average ton haul for through freight		115	
Average ton haul for local freight		37.9	
Average ton haul for all freight		49.4	
Average amount received for each ton haul			$0 76.26
Average receipts ton per mile for through freight			00.86
Average ton receipts per mile, for local freight			01.91
Average receipts ton per mile, for all freight			01.54

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	10,008	37	10,045	12.12
Flour	2,454	172	2,626	3.17
Other mill products	224	5	229	.28
Hay	830	31	861	1.04
Tobacco		64	64	.08
Fruit and vegetables	1,713	43	1,756	2.11
Potatoes	11,459		11,459	13.83
Products of animals:				
Live stock	2,674	24	2,698	3.25
Dressed meats	54	4	58	.08
Other packing house products	46	17	63	.08
Poultry, game and fish	91	11	102	.12
Wool	94		94	.11
Hides and leather	38	4	42	.05
Products of mines:				
Anthracite coal	5	1,778	1,783	2.15
Bituminous coal		2,018	2,018	2.43
Coke		38	38	.05
Stone, sand and other like articles	4,729	135	4,864	5.87
Salt		121	121	.15
Products of forest:				
Lumber	10,286	727	11,013	13.29
Logs	11,228		11,228	13.55
Shingles		12	12	.01
Manufactures:				
Petroleum and other oils	41	175	216	.26
Sugar		223	223	.27
Iron, pig and bloom	32		32	.04
Other castings and machinery	254	487	741	.89
Bar and sheet metal		6	6	.01
Cement, brick and lime	1,468	663	2,131	2.57
Agricultural implements	42	161	203	.25
Wagons, carriages, tools, etc.	6	98	104	.12
Wines, liquors and beers	463	80	543	.65
Household goods and furniture	530	190	720	.87
Merchandise	1,661	2,294	3,955	4.77
Miscellaneous:				
Other commodities not mentioned above	10,919	1,906	12,825	15.48
Total tonnage	71,349	11,524	82,873	100

ADDITIONAL QUESTIONS.

Express Companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

National Express Co. has exclusive right on passenger trains, carrying light freight, money, etc., taking freight to and from depots at the following rates: On through merchandise at first class rates; on local merchandise, at 1½ first class rates; on perishable goods, at 1 1-10 first class rates.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?
96 miles; owned by Western Union Telegraph Company.

Fast freight lines.

To what fast freight lines, or other transportation companies, running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid.

Name of company.	General office.	Amount paid.
Armour Car Lines	Chicago, Ill.	$6 82
Anglo-American Refrigerator Car Co.	Chicago, Ill.	32
Arms Palace Horse Car Co.	Chicago, Ill.	88
American Refrigerator Transit Co.	St. Louis, Mo.	10
Burton Stock Car Co.	Chicago, Ill.	12
Chicago Refrigerator Car Line	Chicago, Ill.	39 80
California Fruit Transit Co.	Chicago, Ill.	62
Central Equipment Co.	Terre Haute, Ind.	1 15
Chicago, New York and Boston Refrigerator Co.	Boston, Mass.	55 72
Eureka Transportation Co.	Indianapolis, Ind.	87
Keystone Palace Horse Car Co.	Chicago, Ill.	47
Live Poultry Transportation Co.	Chicago, Ill.	1 49
Merchants' Despatch Transportation Co.	New York, N. Y.	4 90
National Car Co.	St. Albans, Vt.	218 59
Chicago, Boston & Liverpool Car Co.	St. Albans, Vt.	50 01
Swift's Refrigerator line	Chicago, Ill.	85
St. Louis Refrigerator Car Co.	St. Louis, Mo.	2 11
Western Rolling Stock & Equipment Co.	Chicago, Ill.	72
		$365 06

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

None.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

W. J. Spicer, vice president and general manager, and James H. Muir, secretary and treasurer of the Toledo, Saginaw & Muskegon Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.]

Signed,
W. J. SPICER, *Vice Pres. and Gen. Man.*
J. H. MUIR, *Sec. and Treas.*

Subscribed and sworn to before me this 30th day of March, A. D. 1896.
[L. S.]

LAWRENCE F. LANG,
Notary Public, Co. of Wayne, State of Mich.

ANNUAL REPORT

OF THE

WISCONSIN & MICHIGAN RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed June 29, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, S. M. FISHER, Chicago, Ill.
Vice President, JOHN BAGLEY, Chicago, Ill.
Secretary, J. N. FAITHORN, Chicago, Ill.
Auditor, O. A. KOSS, Chicago, Ill.
Treasurer, J. C. AMES, Chicago, Ill.
General Manager, J. N. FAITHORN, Chicago, Ill.
General Superintendent, J. E. WILLIAMS, Menominee, Mich.
Chief Engineer, A. M. KINSMAN, Chicago, Ill.
General Passenger Agent, J. J. COLEMAN, Chicago, Ill.
General Freight Agent, J. J. COLEMAN, Chicago, Ill.

DIRECTORS.

S. M. FISHER, Chicago, Ill.
J. N. FAITHORN, Chicago, Ill.
JOHN BAGLEY, Chicago, Ill.
B. J. BROWN, Menominee, Mich.
J. A. VAN CLEAVE, Marinette, Wis.
Terms expire January 21, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: October 26, 1893.
Number of stockholders at date of last election: 5.
Number of stockholders in Michigan at same date: 1.
Amount of full paid stock held in Michigan at same date: 1.
Date of annual meeting of stockholders: Third Tuesday in January.
Fiscal year of company ends December 31.
General offices of the company are located at Chicago, Ill.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$84,148 07
Total expenses, including taxes	$52,006 25	
Net income		$32,141 82
Interest on funded debt	40,500 00	
Balance forwarded to next year		$8,358 18

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association		$810,500 00
Par value of shares	$100 00	
Number of shares issued	810,500 00	
Total amount paid in, as per books of the company		$810,500 00
Paid in per mile of road owned by company, 54.1 miles		14,983 00

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mortgage	5%	January 1, 1945		$810,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated.	Amount.
For equipment		$101,096 40

RECAPITULATION.

Total funded debt	$810,000 00
Total unfunded debt	101,096 40
Total debt liabilities	$911,096 40
Amount of debt liabilities per mile of road, 54.1 miles	16,840 97
Total amount of stock and debt	1,721,596 40
Stock and debt per mile of road, 54.1 miles	31,823 48

GENERAL BALANCE SHEET.—Dr.

Construction account	$1,620,000 00	
Equipment account	112,500 00	
		$1,732,500 00
Cash items:		
Cash	$476 15	
Due from agents	3,909 08	
		4,385 23
Other assets:		
Materials and supplies	$7,069 90	
Debit balances from companies and individuals	35,453 99	
		42,523 89
Total		$1,779,409 12

GENERAL BALANCE SHEET.—Cr.

Capital stock		$810,500 00	
Funded debt		810,000 00	
			$1,620,500 00
Unfunded debt:			
Interest unpaid		$40,500 00	
Dividends unpaid		101,096 40	
Notes payable		21,013 18	
Vouchers and accounts		4,657 72	
Profit and loss or income accounts	$8,358 18		158,909 12
Total			$1,779,409 12

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$1,732,500 00
Average cost per mile of road (not including sidings), 54.1 miles	32,024 03
Proportion of cost for Michigan	985,550 00

PURCHASED BY PRESENT COMPANY.

When purchased: January 1, 1895.	
Original cost to present company of road and equipment	$1,620,000 00
Amount expended since purchase, account of equipment	112,500 00
Total cost to date of report	$1,732,500 00
Average cost per mile of road (not including sidings) 54.1 miles	32,024 03
Proportion of cost for Michigan	985,550 00

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

Main line:	
New cars	$112,500 00
Total charges to property account as above	112,500 00
Net addition from property account	112,500 00

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$3,658 26	
Through fares	1,219 42	
Total passenger fares	$4,877 68	
Express and baggage	30 72	
Mails	402 19	
Total passenger department earnings		$5,320 59
Per train mile	$0 27	
Per mile of road	174 44	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$23,737 39	
Through traffic	11,868 20	
Total traffic	$35,605 59	
Total freight department earnings		35,605 59
Per train mile	$1 04	
Per mile of road	1,167 40	

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$6,470 39	
Through fares	3,484 06	
Total passenger fares	$9,954 45	
Express and baggage	33 88	
Mails	820 80	
Total passenger department earnings		$10,808 63
Per train mile	$0 26	
Per mile of road	172 66	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$43,598 68	
Through traffic	29,065 78	
Total traffic	$72,664 46	
Other sources, freight department	612 28	
Total freight department earnings		$73,276 74
Per train mile	90 96	
Per mile of road	1,170 18	
Total transportation earnings, entire line		$84,148 07
Transportation earnings per mile of road	1,343 79	
Transportation earnings per train mile	72	
Total earnings from operation of road		$41,232 56
Total earnings per mile of road		1,351 89
Total earnings per train mile		72
Proportion of taxable earnings for Michigan		41,232 56
Total taxable earnings per mile of road in Michigan		1,351 89
Total income from all sources		$84,148 07
Proportion of income for Michigan		41,232 56

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$6,547 80
Repairs and renewals of buildings and fixtures	3 25
Repairs and renewals of telegraph	527 99
Total	$7,079 04

MAINTENANCE OF EQUIPMENT.

Superintendendence	$411 76
Repairs and renewals of locomotives	784 78
Repairs and renewals of passenger cars	389 65
Repairs and renewals of freight cars	774 56
Repairs and renewals of shop machinery and tools	1,742 00
Total	$4,102 75

CONDUCTING TRANSPORTATION.

Superintendence		$1,100 00
Engine and roundhouse men		4,129 87
Fuel for locomotives		3,643 40
Water supply for locomotives		1,289 73
Oil, tallow and waste for locomotives		111 65
Train service		4,909 63
Train supplies and expenses		399 09
Switchmen, flagmen and watchmen		22 25
Telegraph expenses		110 00
Station service		2,753 66
Station supplies		166 08
Switching charges—balance		2,472 50
Car mileage—balance	Cr. $936 60	
Loss and damage		272 16
Injuries to persons		472 50
Advertising		53 00
Outside agencies		891 90
Commissions		62 29
Rents for tracks, yards and terminals		7,243 50
Rent of buildings and other property		747 87
Other expenses		39 95
Total		$29,802 91

GENERAL EXPENSES.

Salaries of general officers	$3,979 70
Salaries of clerks and attendants	2,488 25
General office expenses and supplies	651 95
Insurance	1,120 31
Law expenses	689 85
Stationery and printing (general offices)	1,615 54
Other expenses	475 95
Total	$11,021 55

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	13.61	$7,079 04
Maintenance of equipment	7.89	4,102 75
Conducting transportation	57.36	29,802 91
General expenses, including taxes	21.14	11,021 55
Total operating expenses and taxes	100	$52,006 25
Operating expenses and taxes per mile of road		880 51
Total proportion of expenses and taxes for Michigan		$32,948 19
Percentage of expenses to earnings 61.8.		
Net earnings per mile of road		513 28
Net earnings per train mile		23

DESCRIPTON OF ROAD.

Date when the road was opened for use between its present termini:
From Peshtigo, Wis., to Faithorn Junction, Mich., January 1, 1895.
From Fisher, Mich., to Ingalls, Mich., January 1, 1895.

MAIN LINE.

	Miles.	Miles.
In Michigan, from State Line to Faithorn Junction	24.28	
In Wisconsin, from Peshtigo to State Line	24.82	
Total length completed		49.10

BRANCHES.

Ingalls, from Fisher, Mich., to Ingalls, Mich.	5.00	
Total length of branches owned by company		5.00
Total length of branches owned by company in Michigan	5.00	
Total length of road belonging to this company		54.10
Total length of road belonging to this company in Michigan	29.28	
Aggregate length in Michigan of sidings, spurs and other tracks not above enumerated		4.88
Aggregate length of tracks in Michigan belonging to this company, computed as single track		34.16

Gauge of track, 4 feet 8½ inches.

Proprietary or leased roads operated by this company.

Name, description and length of each:	Total miles.	In Michigan.
C. M. & St. P. R'y, Bagley Junction, Wis., and Menominee, Mich.	8.52	1.22
Total	8.52	1.22
Total miles operated by the company	62.62	30.50

If north of parallel 44 of latitude?
Yes.

Give date road commenced to be built:
April, 1894.

Give date road completed:
December 31, 1894.

Give date road commenced to be operated:
January 1, 1895.

Where built from and to:
Peshtigo to Faithorn Junction, Mich.

Give exact number of miles.
54.1.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Iron bridges (½ in Michigan)	1	385
Wooden trestles	6	303
Total	7	688

Crossings—railroad and highway.

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Blocked with planks.

Stations.

Number of stations on whole lines	10
Same in Michigan	3

Employés.

Number of persons regularly employed on all roads operated by company, including officials	89
Same in Michigan	23

Classify your employés per following list:	Number.
Baggagemen	1
Brakemen	7
Conductors	4
Engineers	4
Firemen	4
Laborers	45
Shopmen	20

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you? None.

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
Forty-eight miles.

Road bed and track.

Number of track sections in Michigan	5
Average lengths of sections, miles	6
Average number of men in each section gang	4

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	2	$10,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	2	8,000 00
Number of locomotives of 10 to 20 tons weight, exclusive of tender	2	8,000 00
Total	6	$26,000 00
Number of passenger cars—8-wheel, including official cars	2	$6,000 00
Number of box freight cars	269	114,325 00
Number of platform cars	60	21,000 00
Number of conductors' way cars	2	1,500 00
Other cars as follows:		
Boarding cars	4	1,200 00
Total	337	$170,025 00

Number of locomotives equipped with power brakes	4
Number of passenger train cars equipped with power brakes	2
Number of freight cars equipped with power brakes	10

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Air; 16.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Chicago coupler.

How are your passenger cars heated?
Stoves; hard coal.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire lines.	In Michigan.
Miles run by passenger trains during the year	40,760	19,972
Miles run by freight trains during the year	76,146	34,265
Total mileage of trains earning revenue	116,906	54,237

Passenger traffic.—Entire lines.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	3,192	126,729	
Number of local passengers carried, earning revenue	8,835	206,722	
Total number of passengers carried, earning revenue	12,027		
Number of passengers carried one mile	333,451		
Average distance carried		28	
Average amount received from each passenger			83
Average receipts per mile for through passengers			02.78
Average receipts per mile for local passengers			03.13
Average receipts per passenger per mile for all passengers			02.99
Estimated cost of carrying each passenger one mile			02.19

Passenger traffic.—In State of Michigan.

	Numbers.	Miles.	Rate.
Number of through passengers carried, earning revenue	1,907		
Number of local passengers carried, earning revenue	5,888		
Total number of passengers carried, earning revenue	7,795		
Number of passengers carried one mile	155,739		
Average distance carried		20	
Average amount received from each passenger			$0 63.
Average receipts per mile for through passengers			02.78
Average receipts per mile for local passengers			03.27
Average receipts per passenger per mile for all passengers			03.13
Estimated cost of carrying each passenger one mile			02.19

Freight Traffic.—Entire lines.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	44,208		
Number of tons of local freight carried earning revenue	52,614		
Total tons of freight carried, earning revenue	96,822		
Total mileage of through freight		1,386,080	
Total mileage of local freight		770,352	
Total freight mileage or tons carried one mile		2,156,432	
Average ton haul for through freight		31.35	
Average ton haul for local freight		14.64	
Average ton haul for all freight		22.27	
Average amount received for each ton haul			$0 75
Average receipts ton per mile for through freight			03.1
Average receipts ton per mile for local freight			03.7
Average receipts ton per mile for all freight			03.4

Freight traffic.—In State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	36,700		
Number of tons of local freight carried, earning revenue	43,083		
Total tons of freight carried, earning revenue	79,783		
Total mileage of through freight		537,099	
Total mileage of local freight		302,119	
Total freight mileage or tons carried one mile		839,218	
Average ton haul for through freight		14.64	
Average ton haul for local freight		7.01	
Average ton haul for all freight		10.52	
Average a nount received for each ton haul			$0 45
Average receipts ton per mile, for through freight			03.9
Average receipts ton per mile, for local freight			04.6
Average receipts ton per mile, for all freight			04.2

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	14	6,788	6,802	7.03
Flour	12	622	634	.65
Other mill products	36	756	792	.82
Hay	72	243	315	.35
Products of animals:				
Live stock	----------	10	10	.14
Dressed meats	----------	62	62	
Other packing house products	----------	11	11	
Poultry, game and fish	15	----------	15	
Wool	----------	38	38	
Products of mines:				
Bituminous coal	----------	3,972	3,972	4.10
Stone, sand and other like articles	7,437	----------	7,437	7.70
Salt	24	15	39	----------
Products of forest:				
Lumber	7,589	2,352	9,941	10.27
Logs	33,995	40	34,035	35.16
Shingles	22,187	228	22,415	23.16
Manufactures:				
Sugar	----------	831	831	.86
Iron, pig and bloom	18	162	180	.19
Iron and steel rails	102	122	224	.24
Other castings and machinery	94	73	167	.15
Cement, brick and lime	45	582	627	.64
Agricultural implements	----------	29	29	.07
Household goods and furniture	34	10	44	
Merchandise	5,836	87	5,923	6.14
Miscellaneous:				
Other commodities not mentioned above	1,518	571	2,269	2.36
Total tonnage	79,028	17,794	96,822	100

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain	14	6,216	6,230	9.30
Flour	----------	449	449	.67
Other mill products	----------	626	626	.93
Hay	51	243	294	.44
Products of animals:				
Live stock	12	10	22	.15
Dressed meats	----------	62	62	
Other packing house products	----------	11	11	
Products of mines:				
Stone, sand, and other like articles	78	----------	78	.17
Salt	24	15	39	
Products of forest:				
Lumber	6,358	2,632	8,990	13.41
Logs	25,524	39	25,563	38.18
Shingles	16,967	266	17,233	25.74
Manufactures:				
Sugar	----------	831	831	1.24
Iron, pig and bloom	24	162	186	.27
Iron and steel rails	62	132	194	.40
Other castings and machinery	----------	66	66	
Cement, brick and lime	33	243	276	.42
Household goods and furniture	34	----------	34	----------
Merchandise	3,617	744	4,361	6.52
Miscellaneous:				
Other commodities not mentioned above	1,423	----------	1,422	2.16
Total tonnage	54,220	12,737	66,957	100

ADDITIONAL QUESTIONS.

Express companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?

American Express Company. Trial merchandise, 1½ times first class rates; through merchandise, 1 1-10 times first class rates; beer, etc., second class rates. Take freight at depots.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?

62 miles: Western Union Telegraph Co.

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

INJURED.

November 10, Chas. Carlson, Nathan. Pinching up car on siding; accidental.
May 19, Chas. McAllister, brakeman, Nathan. Coupling cars.

STATE OF ILLINOIS, }
COUNTY OF COOK, } ss.

S. M. Fischer president, and J. C. Ames, treasurer, of the Wisconsin & Michigan Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

S. M. FISCHER, *President.*
J. C. AMES, *Treasurer.*

Subscribed and sworn to before me this 27th day of June, A. D. 1896.

[L. S.]

WILL. G. TAIT,
Notary Public.

ANNUAL REPORT

OF THE

WABASH RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed March 25, 1896.]

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES.

President, O. D. ASHLEY, New York.
Vice Presidents:
EDGAR T. WELLES, New York.
J. RAMSEY, JR., St. Louis, Mo.
Secretary, J. C. OTTESON, New York.
Auditor, D. B. HOWARD, St. Louis, Mo.
Treasurer, F. L. O'LEARY, St. Louis, Mo.
General Manager, J. RAMSEY, JR., St. Louis, Mo.
General Superintendent, H. L. MAGEE, St. Louis, Mo.
Division Superintendents:
E. A. GOULD, Peru, Ind.
J. S. GOODRICH, Chicago, Ill.
W. A. GARRETT, Moberly, Mo.
Chief Engineer, W. S. LINCOLN, St. Louis, Mo.
Superintendent of Telegraph, G. C. KINSMAN, Decatur, Ill.
General Passenger Agent, C. S. CRANE, St. Louis, Mo.
General Freight Agent, S. B. KNIGHT, St. Louis, Mo.
Attorney, WELLS H. BLODGETT, St. Louis, Mo.

DIRECTORS.

O. D. ASHLEY, New York.
GEO. J. GOULD, New York.
EDGAR T. WELLES, New York.
HENRY K. MCHARG, New York.
C. J. LAWRENCE, New York.
P. B. WYCKOFF, New York.
S. C. REYNOLDS, Toledo, O.
EDWIN GOULD, New York.
THOS. H. HUBBARD, New York.
JOHN T. TERRY, New York.
RUSSELL SAGE, New York.
C. C. MACRAE, London, England.
FRANCIS PAVY, London, England.
Terms expire second Tuesday in September, 1896

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: July 31, 1889.
Number of stockholders at date of last election: Not known.
Number of stockholders in Michigan at same date: Not known.
Amount of full paid stock held in Michigan at same date: Not known.
Date of annual meeting of stockholders: Second Tuesday in September.
Fiscal year of company ends: June 30.
General offices of the company are located at St. Louis, Mo.

GENERAL EXHIBIT.

ENTIRE LINE.

	Debit.	Credit.
Total earnings from operation		$12,650,905 81
Total expenses, including taxes	$10,095,974 41	
Net income		$2,554,930 90
Interest on funded debt and rentals leased lines	$2,777,401 67	
Sundries	58,870 37	
		2,836,272 04
Balance deficit	$281,341 14	
Balance (profit and loss) last year		96,469 51
Items not included in above, as follows		234,970 81
Transferred to profit and loss, June 30, 1895	$142,839 81	
Balance forwarded to next year, at credit income account, nothing.		

ANALYSIS OF CAPITAL STOCK.

Amount authorised by charter or articles of association			$52,000,000 00
Par value of shares		$100 00	
Number of shares issued	520,000		
Amount paid in on common		$28,000,000 00	
Amount paid in on preferred		24,000,000 00	
Total amount paid in, as per books of the company			52,000,000 00
Paid in per mile of road owned by company, 1,594 miles			32,622 00

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
First mort. bonds, the Wabash R. R. Co.	5%	1939	New York	$31,664,000 00
Second " " " " " "	5%	1939	New York	14,000,000 00
Debenture bonds	6% if earned	1939	New York	30,000,000 00
First mort. bonds, St. Charles bridge	6%	1908	New York	1,000,000 00
Second " " " " "	7%	1903	New York	388,500 00
First mort. bonds, Boone Co. & Boonville R. R	7%	1903	New York	100,000 00
First mort. bonds, Brunswick & Chillicothe.	6%	1908	New York	204,500 00
" " " St. Louis, C., B. & O. R. R.	6%	1908	New York	577,000 00
" " " Detroit & Chicago exten.	5%	1941	New York	3,500,000 00
Total funded debt				$81,534,000 00

RECAPITULATION.

Total funded debt		$81,534,000 00
Total unfunded debt		3,356,805 44
Total debt liabilities		$84,890,805 44
Amount of debt liabilities per mile of road, 1,695.2 miles		50,078 00
Total amount of stock and debt		136,890,805 44
Stock and debt per mile of road, 1,695.2 miles		82,700 00

GENERAL BALANCE SHEET—Dr.

Cost of road equipment and appurtenances		$133,483,500 00
Other investments:		
Capital stock, American Ref. Transit Co.	$121,700 00	
Capital stock, Keokuk Union Depot Co.	3,000 00	
Capital stock, Union Depot Co., Kansas City	14,502 00	
Capital stock, Union Elevator Co., Council Bluffs	5,000 00	
Bonds, Peru & Detroit Ry. Co.	90,000 00	
Bonds, Des Moines Union Ry. Co.	36,055 54	
Bonds, St. L., C. B. & O. Ry. Co.	33,000 00	
Other investments	1,664 68	
		304,922 22

Cash items:		
Cash	$829,600 04	
Bills receivable	18,992 84	
Due from agents	91,470 80	
		$940,063 68
Other assets:		
Materials and supplies	$423,311 15	
Debit balances from companies and individuals	665,990 36	
		1,089,301 51
The Purchasing Committee		164,456 16
Profit and loss		630,475 77
Chicago & Western Indiana R. R. sinking fund		327 816 10
Total		$136,890,805 44

GENERAL BALANCE SHEET—Cr.

Capital stock		$52,000,000 00
Funded debt		81,534,000 00
Unfunded debt:		
Interest unpaid, due and accrued	$760,043 24	
Notes payable	498,958 33	
Vouchers and accounts	1,711,544 89	
Other liabilities	386,258 98	
		3,356,805 44
Total		$136,890,805 44

COST OF ROAD AND EQUIPMENT.

PURCHASED BY PRESENT COMPANY.

When purchased: July 1, 1889.	
Original cost to present company of road and equipment	$129,933,500 00
Amount expended since purchase, account of construction Montpelier & Chicago R. R.	3,500,000 00
Total cost to date of report	133,433,500 00
Average cost per mile of road (not including sidings) 1,695.2 miles	80,772 33
Proportion of cost for Michigan, 75.9	6,138,697 08

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Total passenger fares	$100,349 96	
Express and baggage	4,620 83	
Mails	6,917 29	
Other sources	2,005 36	
Total passenger department earnings		$113,893 44
Per mile of road	$1,414 81	

FREIGHT EARNINGS.

Main line and branches:		
Total traffic	324,302 54	
Other sources, freight department	12,338 14	
Total freight department earnings		336,630 68
Per mile of road	$4,181 75	

ANALYSIS OF EARNINGS.—ENTIRE LINES.

PASSENGER EARNINGS.

Main line and branches:		
Total passenger fares	$3,214,005 99	
Express and baggage	329,317 66	
Mails	427,097 20	
Other sources	72,487 05	
Total passenger department earnings		4,042,907 90
Per train mile	$0 79.72	
Per mile of road	2,088 06	

FREIGHT EARNINGS.

Main line and branches:		
Total traffic	$8,342,568 68	
Other sources, freight department	265,428 73	
Total freight department earnings		$8,607,997 41
Per train mile	$1 33.35	
Per mile of road	4,445 82	
Total transportation earnings entire line		$12,650,905 31
Transportation earnings per mile of road	6,533 88	
Transportation earnings per train mile	1 09.7	
Total		$12,650,905 31
Total earnings from operation of road		12,650,905 31
Total earnings per mile of road	$6,533 88	
Total earnings per train mile	1 09.7	
Proportion of taxable earnings for Michigan	450,524 12	
Total taxable earnings per mile of road in Michigan	5,596 56	
Income other than from earnings, entire line		234,970 84
Total income from all sources		$12,885,876 15
Proportion of income for Michigan		450,524 12

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$836,043 21
Renewal of rails	96,749 75
Renewals of ties	301,712 13
Repairs and renewals of bridges and culverts	183,724 08
Repairs and renewals of fences, road crossings, signs and cattle guards	59,403 51
Repairs and renewals of buildings and fixtures	179,656 18
Repairs and renewals of docks and wharves	2,305 44
Repairs and renewals of telegraph	14,949 21
Stationery and printing	1,394 43
Other expenses	98,782 56
Total	$1,773,725 49

MAINTENANCE OF EQUIPMENT.

Superintendence	$94,630 81
Repairs and renewals of locomotives	518,169 25
Repairs and renewals of passenger cars	436,122 60
Repairs and renewals of freight cars	517,562 00
Repairs and renewals of work cars	7,359 65
Repairs and renewals of shop machinery and tools	86,866 99
Stationery and printing	3,829 01
Other expenses	63,216 79
Total	$1,777,757 10

CONDUCTING TRANSPORTATION.

Superintendence	$104,369 93
Engine and roundhouse men	946,837 75
Fuel for locomotives	678,852 10
Water supply for locomotives	71,091 81
Oil, tallow and waste for locomotives	37,101 12
Other supplies for locomotives	9,483 41
Train service	673,794 65
Train supplies and expenses	75,665 76
Switchmen, flagmen and watchmen	481,580 92
Telegraph expenses	173,564 74
Station service	1,053,078 21
Station supplies	45,774 29
Car mileage—balance	327,371 65
Hire of equipment	11,325 15
Loss and damage	104,148 74
Injuries to persons	78,047 66
Advertising	52,330 21
Outside agencies	238,847 16
Commissions	73,951 61
Rents for tracks, yards and terminals	435,689 83
Rent of buildings and other property	17,855 14
Stationery and printing	58,628 79
Other expenses	78,956 47
Total	$5,828,371 10

GENERAL EXPENSES.

Salaries of general officers	$33,812 30
Salaries of clerks and attendants	39,279 75
General office expenses and supplies	1,440 66
Insurance	27,888 60
Law expenses	57,634 51
Stationery and printing (general offices)	14,171 59
Other expenses	38,608 31
Taxes	498,300 00
Total	$716,120 72

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	17.57	$1,773,725 49
Maintenance of equipment	17.61	1,777,757 10
Conducting transportation	57.72	5,828,371 10
General expenses, including taxes	7.09	716,120 72
Total operating expenses and taxes	100	$10,095,974 41

Operating expenses and taxes per mile of road, 1,936.2	$5,214 32
Operating expenses and taxes per train mile run, for trains earning revenue, 11,526,134 miles	87.59

PROPORTION OF OPERATING EXPENSES AND TAXES FOR MICHIGAN.

Main line			$402,024 48
Per mile		$4,994 09	
Percentage of expenses to earnings, entire line	79.80		
Net earnings per mile of road, entire line		1,319 56	
Net earnings per train mile, entire line		22.11	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Detroit to Butler, 1881.

MAIN LINE.

		Miles.
In Michigan, from Delray to Ohio State Line		75.9
Total length of road belonging to this company		1,594
Total length of road belonging to this company in Michigan	75.9	
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated	38.5	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		114.4

Gauge of track, 4 feet, 8½ inches.

Proprietary or leased roads operated by this company.

	Total Miles.	In Michigan.
Name description and length of each:		
Detroit Union Depot & Terminal Ass'n tracks, Union Depot to Delray (joint with D., L. & N. and F. & P. M. R. R.)		4.6
Total miles operated by the company	1,976.6	80.5

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	98	564
Stone bridges	44	47
Iron bridges	21	410
Combination bridges	1	194
Wooden trestles	81	4,725
Total	245	5,920

Draw bridges in Michigan.

How many on your line?	1

	Feet.
Where located, when built, and length of draw span:	
One-half mile west of Dearborn Road, Detroit; finished November, 1889; draw span	184

Character of structure:
Through iron truss.

Material of which constructed:
Iron truss on masonry; 7x7 oak ties.

Height above water, and depth of water under bridge:
10 feet above; 15 feet under.

How swung, by engine or hand power?
Hand power.

Approaches straight or curved?
Straight.

Do you require all trains to come to full stop before crossing a draw, and how are they signaled?
The draw is not yet in operation. Rails are continuous and no signals are used.

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Lake Shore & Michigan Southern R. R. at Delray, Raisin Center and Adrian.
Michigan Central R. R. at Delray and West Detroit.
Flint & Pere Marquette R. R. at Romulus.
Toledo, Ann Arbor & Northern Michigan R. R. at Milan.
Cincinnati, Jackson & Michigan R. R., at Britton.

At what crossings are interlocking and derailing switches in operation?
Delray, Adrian, Raisin Center, L. S. & M. S.
Delray, West Detroit, Michigan Central.
Romulus, F. & P. M.

What pattern or patterns have you adopted?
Saxby & Farmer, made by Union Switch & Signal Co.

Number of crossings of highways at grade in this State	159
Number of crossings of highways at grade in this State at which there are gates or flagmen	1

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Blocked with plank.

Stations.

Number of stations on whole lines	466
Same in Michigan	16

Employés.

Number of persons regularly employed on all roads operated by company, including officials.	8,048
Same in Michigan	357

Classify your employés as per following list:	Number.
Baggagemen	8
Brakemen	36
Conductors	21
Engineers	30
Firemen	33
Laborers	114
Shopmen	13
Others	112

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you?	75.198

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed?
None. All fenced except in station limits.

Road bed and track.

Number of track sections in Michigan	11
Average lengths of sections, miles	6.9
Average number of men in each section gang	4.8
Number of new ties put in whole line during the year	25,629
Number of new ties put in track in Michigan	325

Bridges and culverts.

Timber culverts replaced during the year	1
With iron pipe, number	1

New bridges built during the year: Number, 1.

Location.	Kind.	Material.	Month built.	Feet in length.
11.5 miles west of Detroit	Wooden	Piling	December, 1895	13

ROLLING STOCK—ENTIRE LINE.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	380	$1,500,000 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	38	114,000 00
Total	418	$1,614,000 00
Number of passenger cars—12-wheel, including official cars	120	$360,000 00
Number of passenger cars—8-wheel, including official cars	98	135,000 00
Number of express and baggage cars	103	103,000 00
Number of box freight cars	5,878	1,175,600 00
Number of stock cars	1,066	213,200 00
Number of platform cars; Number of car cars	5,374	537,400 00
Number of conductors' way cars	227	45,400 00
Other cars	84	8,400 00
Total	12,950	$2,568,000 00

Number of locomotives equipped with power brakes	402
Number of passenger train cars equipped with power brakes	321
Number of freight cars equipped with power brakes	1,564

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Locomotives—Westinghouse, 306; American Steam, 96. Cars—Westinghouse, 566; New York, 998.

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Yes.

What pattern or patterns have you adopted for use?
Gould.

How are your passenger cars heated?
Hard coal stoves and hot water.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	Entire line.	In Michigan.
Miles run by passenger trains during the year	5,071,168	202,847
Miles run by freight trains during the year	6,454,966	258,198
Total mileage of trains earning revenue	11,526,134	461,045

Passenger traffic.—Entire lines.

	Numbers.	Miles.	Rate.
Total number of passengers carried, earning revenue	3,591,541		
Number of passengers carried one mile	155,633,078		
Average distance carried		43.3	
Average amount received from each passenger			$0 89.49
Average receipts per passenger per mile for all passengers			02.065
Estimated cost of carrying each passenger one mile			01.843

Passenger traffic.—In state of Michigan.—Estimated.

	Numbers.	Miles.	Rate.
Total number of passengers carried, earning revenue	143,662		
Number of passengers carried one mile	6,225,322		
Average distance carried		43.3	
Average amount received from each passenger			$0 89.49
Average receipts per passenger per mile for all passengers			02.065
Estimated cost of carrying each passenger one mile			01.843

Freight traffic.—Entire lines.

	Tons.	Miles.	Rate.
Total tons of freight carried, earning revenue	6,051,392		
Total freight mileage or tons carried one mile	1,195,942,921		
Average ton haul for all freight		197.6	
Average amount received for each ton haul			$1 37.86
Average receipts ton per mile, for all freight			00.698
Estimated cost of carrying one ton one mile			00.526

Freight traffic.—In State of Michigan.—Estimated.

	Tons.	Miles.	Rate.
Total tons of freight carried, earning revenue	242,056		
Total freight mileage or tons carried one mile	47,837,717		
Average ton haul for all freight		197.6	
Average amount received for each ton haul			$1 37 86
Average receipts ton per mile, for all freight			00.698
Estimated cost of carrying one ton one mile			00.526

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain			1,123,693	18.65
Flour			96,149	1.59
Other mill products			122,270	2.02
Hay			73,953	1.22
Tobacco			7,423	0.12
Cotton			33,731	0.56
Fruit and vegetables			110,007	1.82
Products of animals:				
Live stock			359,754	5.95
Dressed meats			114,256	1.89
Other packing-house products			169,095	2.80
Wool			4,999	0.08
Hides and leather			34,843	0.58
Products of mines:				
Anthracite coal			183,770	3.04
Bituminous coal			1,366,456	22.58
Coke			28,664	0.47
Ores			3,249	0.05
Stone, sand and other like articles			154,474	2.55
Products of forest:				
Lumber			307,619	5.08
Other articles			108,461	1.79
Manufactures:				
Petroleum and other oils			71,138	1.18
Sugar			40,781	0.67
Iron, pig and bloom			17,766	0.29
Iron and steel rails			8,367	0.14
Other castings and machinery			14,340	0.24
Bar and sheet metal			34,753	0.57
Cement, brick and lime			135,464	2.24
Agricultural implements			11,015	0.18
Wagons, carriages, tools, etc.			9,859	0.16
Wines, liquors and beers			45,623	0.75
Household goods and furniture			15,658	0.26
Merchandise			444,528	7.35
Miscellaneous:				
Other commodities not mentioned above			794,234	13.12
Total tonnage			6,051,392	100

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.—ESTIMATED.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of agriculture:				
Grain			45,148	18.65
Flour			3,846	1.59
Other mill products			4,891	2.02
Hay			2,958	1.22
Tobacco			297	0.12
Cotton			1,349	0.56
Fruit and vegetables			4,400	1.82
Products of animals:				
Live stock			14,390	5.95
Dressed meats			4,570	1.89
Other packing-house products			6,764	2.80
Wool			200	0.08
Hides and leather			1,394	0.58
Products of mines:				
Anthracite coal			7,351	3.04
Bituminous coal			54,658	22.58
Coke			1,146	0.47
Ores			182	0.08
Stone, sand, and other like articles			6,179	2.55
Products of forest:				
Lumber			12,304	5.08
Other articles			4,338	1.79
Manufactures:				
Petroleum and other oils			2,846	1.18
Sugar			1,631	1.67
Iron, pig and bloom			711	0.29
Iron and steel rails			334	0.14
Other castings and machinery			574	0.24
Bar and sheet metal			1,390	0.57
Cement, brick and lime			5,419	2.24
Agricultural implements			441	0.18
Wagons, carriages, tools, etc.			394	0.16
Wines, liquors and beers			1,825	0.75
Household goods and furniture			626	0.26
Merchandise			17,781	7.35
Miscellaneous:				
Other commodities not mentioned above			31,769	13.13
Total tonnage			242,056	100

ADDITIONAL QUESTIONS.

Express Companies.

What express companies run on your road, and on what terms and what conditions as to rates, etc.; what kind of business is done by them, and do you take their freights at the depot, or at the office of such express companies?
Pacific Express Company.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?
206.5 miles on Detroit Division. Western Union Telegraph Company.

Transportation Companies.

SLEEPING, DRAWING ROOM AND PALACE CAR COMPANIES.

What sleeping, drawing room, chair or other palace passenger cars, not the exclusive property of your own or some other railroad company, have, during the year, been in use on your road in the State of Michigan, and on what terms? If rented by you, or allowed mileage between local points in this State, what was the amount paid for the use of such cars during the period under report?
Wagner Palace Car Company, New York. Amount paid not kept separate for Michigan.

Fast freight lines.

To what fast freight lines, or other transportation companies running cars upon your road, not the exclusive property of any railroad company paying taxes in this State upon its gross receipts, have you paid car mileage or car rentals for the use of such cars, while in use for traffic between local points in this State, and what was the amount of such car rental or mileage paid?

Name of company.	General office.	Amount paid.
Blue Line		Not kept separate for Michigan.
Red Line		
White Line		
Empire Line		
Midland Line		
Canadian Pacific Despatch		
Canada Southern Line		
Erie Despatch		
Great Eastern Line		
Merchants' Despatch Transportation Co.		
National Despatch Line		
Hoosac Tunnel Line		
Lackawanna Line		

REPORTS OF ACCIDENTS FOR MICHIGAN DURING THE YEAR 1895.

KILLED.

September 28, James Boyd, trespasser, Britton. Killed by being run over by train while lying on bridge drunk.
October 8, Alex. Heyer, trespasser, Detroit. Killed while walking on track toward approaching train.
November 11, Henry Fox, trespasser, Detroit. Killed while walking on track.

INJURED.

March 4, Mary Stranowski, passenger, Willis. Jumped off moving passenger train at station.
June 4, Wm. Annibal, freight brakeman, Romulus. Attempted to get on pilot of a moving engine and had leg crushed.
July 8, B. E. Marshall, trespasser, Detroit. Was lying under a freight car in yards and was run over when car was moved; supposed he was asleep or drunk.
August 4, F. P. Greenan, switchman, Detroit. Coupling cars.
October 6, D. J. Hetner, switchman, Delray. Coupling cars.
December 13, Alex. Wahlig, trespasser, Adrian. Crawling through cars.
December 24, F. G. Gairgan, brakeman, Britton. Fell off moving car.

TABULAR STATEMENT OF ACCIDENTS IN MICHIGAN.

Causes of accident.	Killed.			Injured.		
	Passengers.	Employés.	Others.	Passengers.	Employés.	Others.
Coupling cars					2	
Falling from trains					1	
Getting on and off trains				1	1	
Miscellaneous						1
Trespassers on tracks			3			1
Total			3	1	4	2

SUMMARY OF ACCIDENTS IN MICHIGAN.

Number of persons killed during the year	3
Number of persons injured during the year	7
Number of casualties purely accidental	3
Number resulting from lack of caution, carelessness, or misconduct	2
Persons killed or injured while intoxicated	3
Trespassers and tramps killed or injured	2

CLASSIFICATION OF EMPLOYES.

KILLED OR INJURED IN MICHIGAN.

	Killed.	Injured.	Total.
Brakemen		2	
Yardmen		2	
Total		4	

STATE OF MISSOURI, } ss.
CITY OF ST. LOUIS, }

J. Ramsey, Jr., vice president of the Wabash Railroad Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true, full, and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. OF R. R.] Signed,

J. RAMSEY, JR., *Vice President.*

Subscribed and sworn to before me this 21st day of March, A. D. 1896.

[L. S.]
Commission expires April 8, 1898.

JOHN ELLSPERMANN, JR.,
Notary Public, City of St. Louis, Mo.

DEPOT AND STATION COMPANIES

ANNUAL REPORT

OF THE

DETROIT UNION RAILROAD DEPOT & STATION COMPANY,

For the year ending December 31, 1895.

[Filed March 28, 1896.]

NAMES AND RESIDENCES OF OFFICERS OF THE COMPANY.

President, JAMES F. JOY, Detroit, Mich.
Vice President, JAMES JOY, Detroit, Mich.
Secretary, JAMES G. MILLER, Detroit, Mich.
Treasurer, JAMES F. JOY, Detroit, Mich.

ORGANIZATION, ETC.

When chartered or articles of association filed: About June 1, 1881.
Number of stockholders at date of last election: 17.
Number of stockholders in Michigan at same date: 15.
Date of annual meeting of stockholders: On the first Wednesday in February.
General offices of company located at Detroit, Mich.

STOCKHOLDERS, DECEMBER 31, 1895.

Name.	Residence.	Amount held.
James F. Joy	Detroit, Mich.	$380,000 00
Allan Shelden	" "	506,300 00
James McMillan	" "	281,200 00
T. D. Buhl	" "	260,000 00
Frank H. Buhl	Sharon, Pa.	185,000 00
Henry B. Joy	Detroit, Mich.	122,500 00
Henry B. Joy, guardian	" "	56,300 00
Mrs. Louise Todd Joy	Louisville, Ky.	56,200 00
James Joy	Detroit, Mich.	112,500 00
Richard P. Joy	" "	22,500 00
Mrs. Helen N. Joy	" "	68,200 00
Truman H. Newberry	" "	56,300 00
J. Stoughton Newberry	" "	56,300 00
Mrs. Helen H. Newberry	" "	56,200 00
Mrs Helen H. Newberry, executrix	" "	56,300 00
Mrs. Caroline Buhl	" "	10,000 00
G. W. Balch	" "	19,300 00
Total		$2,250,000 00

CAPITAL STOCK.

By whom subscribed.	Residence.	No. of shares.	Amount.
James F. Joy	Detroit, Mich.	1,666⅔	$166,667 00
C. H. Buhl	" "	1,666⅔	166,667 00
Allan Sheldon	" "	1,666⅔	166,667 00
James McMillan	" "	1,250	125,000 00
John S. Newberry	" "	1,250	125,000 00
R. A. Alger	" "	833⅓	83,333 00
M. S. Smith	" "	833⅓	83,333 00
G. W. Balch	" "	833⅓	83,333 00
Total		10,000	$1,000,000 00

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

There is no funded debt. No mortgages or incumbrances of any kind whatever upon this company's property. The bonds issued some years ago have all been canceled, and stock issued therefor. There is now only a stock issue outstanding for say $2,250,000.00.

UNFUNDED DEBT.

There is no unfunded debt against this company, and there is no incumbrance of any kind now upon this company's property.

RECAPITULATION.

Total stock and debt	$2,250,000 00

COST.

Of real estate, including right of way	$1,331,040 83
Of depot buildings and fixtures	62,196 00
Of elevators and belongings	303,595 00
Of all other property	584,120 00
Total cost	$2,280,951 83

CASH PAID TO CORPORATION.

On account of original capital stock	$1,000,000 00
On account of increase of capital stock	1,250,000 00
Total cash paid	$2,250,000 00

TRACK.

Length of single main track—miles	3.34
Length of sidings and other tracks—miles	3.50
Total track	6.84

ANALYSIS OF EARNINGS AND EXPENSES.

EARNINGS.

From rentals	$94,726 80
From all other sources	54,857 53
Total earnings	$149,584 33

EXPENSES.

Operating.

Salaries of officers and clerks	$3,500 00
Management and maintenance	15,672 68
Taxes and insurannce	6,690 12
Miscellaneous	2,037 72
Total	$27,900 52

PROPERTY ACCOUNT.

For renewals and improvements and other expenses: Included in items of management and maintenance.

RECAPITULATION.

Expenses for operating and taxes	$27,900 52
Total expenses for the year	$27,900 52

ADDITIONAL INTERROGATORIES.

DESCRIPTION AND CHARACTER OF BUILDINGS AND OTHER PROPERTY.

Passenger houses, brick: Not used as such any longer.
Freight houses, brick, number, 1.
Grain elevator, brick, number, 1, capacity about 1,250,000 bushels.
Sheds, freight, brick, number, 1.
Water front and docks, feet, about 2,500 ft, with two large ferry slips to accommodate freight and passenger transfer across the Detroit river.

STREET CROSSINGS, ETC.

At grade, number, nineteen.

Frogs and guard rails, are they blocked as required by law? Yes.

CONTRACTS AND LEASES.

What railroad companies have rented terminal privileges from you during the year, and on what terms? No railroad companies have rented terminal privileges during 1895. On February 27, 1896, the Hon. James F. Joy, president of this company, sent per U. S. mail a book containing all the contracts and leases of this company to be placed on file in your office for its information. Your office acknowledged receipt of same February 29, 1896.

VERIFICATION.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

Hon, James F. Joy, president and James G. Miller, secretary, of the Detroit Union Railroad Depot & Station Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of the said company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. of R. R.] Signed, JAMES F. JOY,
JAMES G. MILLER

Subscribed and sworn to before me this 26th day of March, A. D. 1896.

[L. S.] F. W. DENNIS,
Notary Public.

ANNUAL REPORT

OF THE

FORT STREET UNION DEPOT COMPANY,

For the year ending December 31, 1895.

[Filed March 23, 1896.]

NAMES AND RESIDENCES OF OFFICERS OF THE COMPANY.

President, WM. W. CRAPO, New Bedford, Mass.
Vice President, CHAS. M. HEALD, Grand Rapids, Mich.
Secretary and Treasurer, HENRY B. JOY, Detroit, Mich.

ORGANIZATION, ETC.

When chartered or articles of association filed: August 24, 1889.
Number of stockholders at date of last election: 15.
Number of stockholders in Michigan at same date: 7.
Date of annual meeting of stockholders: February 6, 1896.
General offices of the company are located at 216 Hammond Building, Detroit, Mich.

STOCKHOLDERS, DECEMBER 31, 1895.

Names.	Residence.	Amount held.
Wm. C. Van Horne	Montreal, Quebec	$125,000 00
T. G. Shaughnessy	" "	92,500 00
Thomas Tait	" "	33,500 00
Wm. W. Crapo	New Bedford, Mass.	50,000 00
Wm. W. Crapo, trustee	" " "	199,000 00
Stanford T. Crapo	Saginaw, Mich.	1,000 00
H. Thayer, Chas. Merriam and E. P. R. Thayer, trustees under the will of H. Thayer	Boston, Mass.	249,000 00
Chas. M. Heald	Grand Rapids, Mich.	1,000 00
James F. Joy	Detroit, Mich.	83,300 00
Chas. M. Hays	St. Louis, Mo.	1,000 00
Allan Shelden	Detroit, Mich.	56,900 00
Helen H. Newberry, executrix	" "	31,600 00
James McMillan	" "	31,600 00
Theo. D. Buhl	" "	20,400 00
Frank H. Buhl	Sharon, Penn.	15,200 00
Total		$1,000,000 00

ORIGINAL CAPITAL STOCK SUBSCRIBERS.

By whom subscribed.	Residence.	No. of shares.	Amount.
Wm. C. Van Horne	Montreal	1,000	$100,000 00
O. D. Ashley	New York	1,000	100,000 00
Edm. R. Osler	Toronto	250	25,000 00
Wm. W. Crapo	New Bedford	750	75,000 00
R. G. Butler	Detroit	250	25,000 00
Lewis Pierce	Portland, Me.	250	25,000 00
George Coppell	New York	250	25,000 00
Alfred Stebbins	Boston	625	62,500 00
Frank H. Damon	"	625	62,500 00
Wm. L. Webber	Saginaw	10	1,000 00
Total		5,010	$501,000 00

Capital stock since increased to $1,000,000, all paid up.

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Character and date of issue.	Rate of interest.	When due.	Payable when.	Amount outstanding.
First mortgage bonds	4½%	1941	Jan. and July 1.	$1,000,000 00

UNFUNDED DEBT.

For real estate and construction, *i. e.*, to complete the work—Bills payable	$308,694 40

RECAPITULATION.

Total funded debt	$1,000,000 00
Total unfunded debt	308,694 40
Total indebtedness	$1,308,694 40
Total stock and debt	$2,308,694 40

COST.

Of real estate, including right of way	$1,222,363 19
Of depot buildings and fixtures and elevated railroad structure	657,131 49
Of all other property	425,416 63
Total cost	$2,304,911 31

CASH PAID TO CORPORATION.

On account of original capital stock	$501,000 00
On account of increase of capital stock	499,000 00
On accounts other than for income:	
Bonds	1,000,000 00
Bills payable	308,694 40
Total cash paid	$2,308,694 40

TRACK.

Length of main line, double track—miles	1.41
Length of sidings and other tracks—miles	1.27
Total track	2.68

ANALYSIS OF EARNINGS AND EXPENSES.

EARNINGS.

From rental of railroad, depot and station premises		$115,922 78
From other sources, viz.:		
Detroit Gas Company for lease of right of way for pipe line	$100 00	
Detroit National Bank for interest on daily bank balances	578 83	
		678 83
From lessee railroad companies to pay taxes, viz.:		
Specific tax to State	$2,174 65	
Specific tax to city	3,174 65	
Local city, State and county taxes	523 40	
		6,872 70
Total earnings		$123,474 31

EXPENSES.

Salaries	$1,500 00
Miscellaneous	210 68
Taxes paid	6,872 70
Total	$8,583 38

ADDITIONAL INTERROGATORIES.

DESCRIPTION AND CHARACTER OF BUILDINGS AND OTHER PROPERTY.

Passenger houses, brick and stone, number, 1.
Freight houses, brick and stone, number, 1.

STREET CROSSINGS, ETC.

At grade, number—No grade crossings.
With gates or flagmen, number—None.
Over or under grade, number—The approach to depot is by elevated railroad structure along and over street for about two-thirds of mile.
Overhead bridges, number, 1.
Frogs and guard rails, are they blocked as required by law? Yes.

CONTRACTS AND LEASES.

What railroad companies have rented terminal privileges from you during the year and on what terms?
This company's property is leased to and occupied by the following four (4) railroads, viz.: Wabash, F. & P. M., D., L. & N., and Canadian Pacific Ry., upon the terms that each road shall pay its share of an annual rental sufficient to pay 5% per annum on its stock and bonds; also, cost of operation expenses and interest on floating debt.

VERIFICATION.

STATE OF MICHIGAN, }
COUNTY OF WAYNE, } ss.

Henry B. Joy, secretary of The Fort Street Union Depot Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of the said company, and having carefully examined the same, declares them to be a true, full and correct statement of the condition and affairs of said company on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

HENRY B. JOY.

Subscribed and sworn to before me this 16th day of March, A. D. 1896.
[L. S.]

F. W. DENNIS,
Notary Public, Wayne County, Mich.

STATE OF MASSACHUSETTS, }
COUNTY OF BRISTOL, } ss.

Wm. W. Crapo, president of The Fort Street Union Depot Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of the said company, and having carefully examined the same, declares them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

WM. W. CRAPO.

Subscribed and sworn to before me this 24th day of January, A. D. 1896.

HENRY H. CRAPO,
Commissioner for the State of Michigan.

[L. S.]

ANNUAL REPORT

OF THE

TRAVERSE CITY, PENINSULA & OLD MISSION ELECTRIC RAILROAD COMPANY,

For the year ending December 31, 1896.

[Filed February 12, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, LORANE K. GIBBS, Traverse City, Mich.
Vice President, A. W. BARTAK, Traverse City, Mich.
Secretary, W. P. CROTSER, Traverse City, Mich.
Treasurer, J. O. CROTSER, Kingsley.
Attorney, J. G. RAMSDELL, Traverse City, Mich.

DIRECTORS.

L. K. GIBBS, Mayfield, Mich.
A. W. BARTAK, Traverse, City, Mich.
W. P. CROTSER, Traverse City, Mich.
J. O. CROTSER, Kingsley, Mich.
RALPH CASE, Kingsley, Mich.
J. G. RAMSDELL, Traverse City, Mich.
CHAS. WILHELM, Traverse City, Mich.
Terms expire January 6, 1897.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: December 1, 1894.
Number of stockholders at date of last election: 11.
Number of stockholders in Michigan at same date: 10.
Amount of full paid stock held in Michigan at same date: None.
Date of annual meeting of stockholders: First Monday in January in each year.
Fiscal year of company ends: December 1, 1896.
General offices of the company are located at Traverse City.

REMARKS.

This road was chartered on December 1, 1894, and the road has been surveyed in full. Deeds of right of way of greater part of route have been obtained. There has been nothing done towards constructing the road.

The company has no liabilities.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$160,000 00
Par value of shares	$100 00		
Amount paid in on shares not issued		$1,600 00	
Total amount paid in as per books of the company			1,600 00
Paid in per mile of road owned by company, 20 miles			80 00

STATE OF MICHIGAN. }
COUNTY OF GRAND TRAVERSE, } ss.

L. K. Gibbs, president, and W. P. Crotser, secretary of the Traverse City, Peninsula & Old Mission Electric Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed, L. K. GIBBS, *President.*
W. P. CROTSER, *Secretary.*

Subscribed and sworn to before me this 7th day of February, A. D. 1896.

GEORGE W. CURTIS,
Notary Public.

ORE AND FOREST ROADS.

ANNUAL REPORT

OF THE

BEAR LAKE & EASTERN RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed February 28, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, G. W. HOPKINS, Bear Lake, Mich.
Secretary, D. H. HOPKINS, Bear Lake, Mich.
Auditor, G. W. HOPKINS, Bear Lake, Mich.
Treasurer, E. S. HOPKINS, Bear Lake, Mich.
General Manager, G. W. HOPKINS, Bear Lake, Mich.
General Superintendent, C. G. WAREHAM, Bear Lake, Mich.
Chief Engineer, C. G. WAREHAM, Bear Lake, Mich.
Cashier, C. C. BURGESS, Bear Lake, Mich.
General Passenger Agent, C. C. BURGESS, Bear Lake, Mich.
General Freight Agent, C. C. BURGESS, Bear Lake, Mich.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: January 24, 1883.
Number of stockholders at date of last election, 7.
Number of stockholders in Michigan at same date, 7.
Amount of full paid stock held in Michigan at same date: All of stock.
Date of annual meeting of stockholders: January 31st.
Fiscal year of company ends: December 31.
General offices of the company are located at Bear Lake, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$7,305 10
Total expenses, including taxes	$6,181 59	
Net income		1,123 51
Balance for the year		$1,123 51
Balance, profit and loss, last year		9,191 00
Balance forward to next year		$10,314 51

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$250,000 00
Par value of shares	$100 00		
Number of shares issued		1,046	
Total amount paid in, as per books of the company			104,664 00
Paid in per mile of road owned by company, 18 miles			5,814 66

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For miscellaneous	To be paid from net earnings	$10,513 41

RECAPITULATION.

Total debt liabilities	$10,513 41
Amount of debt liabilities per mile of road, 18 miles	584 06
Total amount of stock and debt	115,177 41
Stock and debt per mile of road, 18 miles	6,398 74

GENERAL BALANCE SHEET.—Dr.

Construction account	$95,276 20
Equipment account	30,215 72
Total	$125,491 92

GENERAL BALANCE SHEET.—Cr.

Capital stock	$104,664 00
Unfunded debt	10,513 41
Profit and loss or income accounts	10,314 51
Total	$125,491 92

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$125,491 92
Average cost per mile of road (not including sidings) 18 miles	6,971 77
Proportion of cost for Michigan	6,971 77

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Total passenger fares		$72 65

FREIGHT EARNINGS.

Main line and branches:		
Through traffic		7,232 45
Total transportation earnings, entire line		$7,305 10
Transportation earnings per mile of road	$405 84	
Total income from all sources		7,305 10
Proportion of income for Michigan		7,305 10

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$1,792 43
Repairs and renewals of bridges and culverts	78 76
Repairs and renewals of fences, road crossings, signs and cattle guards	83 14
Other expenses, right of way	37 25
Total	$1,993 58

MAINTENANCE OF EQUIPMENT.

Repairs and renewals of locomotives	$68 04
Repairs and renewals of freight cars	409 66
Total	$477 70

CONDUCTING TRANSPORTATION.

Superintendence	$1,200 00
Engine and roundhouse men	1,043 27
Fuel for locomotives	725 77
Oil, tallow and waste for locomotives	128 02
Loss and damage	2 00
Total	$3,109 06

GENERAL EXPENSES.

Salaries of general officers	$300 00
General office expenses and supplies	175 00
Taxes	126 25
Total	$601 25

RECAPITULATION OF EXPENSES.

Maintenance of way and structures		$1,993 58
Maintenance of equipment		477 70
Conducting transportation		3,109 06
General expenses, including taxes		601 25
Total operating expenses and taxes		$6,181 59
Operating expenses and taxes per mile of road		343 42
Total proportion of expenses and taxes for Michigan		6,181 59
Percentage of expenses to earnings	84⅝%	
Net earnings per mile of road		62 42

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Pierport, Mich., to Maple Grove, Mich., November 1, 1887.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Pierport to Maple Grove	18	
Total length of road belonging to this company		18
Total length of road belonging to this company in Michigan	18	
Aggregate length of tracks in Michigan belonging to this company computed as single track		18

Gauge of track, 3 feet.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	3	96
Wooden trestles	2	700
Total	5	796

Crossings—railroad and highway.

Number of crossings of highways at grade in this State	13
Number of crossings of highways over or under railroad [over, 12; under, 1]	13

Stations.

Number of stations on whole lines (all in Michigan)	5

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan)	11

Classify your employés as per following list:	Number.
Engineers	2
Firemen	2
Laborers	4
Shopmen	2
Others	1

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you:
17 miles.

Give the number of miles required to complete fence both sides of your track in Michigan, and the counties in which needed:
19 miles; Manistee.

Road bed and track.

Number of track sections in Michigan	1
Average length of sections, miles	18
Average number of men in each section gang	4

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	1	----------
Number of locomotives of 20 to 30 tons weight, exclusive of tender	2	----------
Total	3	$9,500 00
Number of passenger cars—8-wheel, including official cars	1	1,000 00
Number of platform cars	53	16,215 72
Other cars	14	3,500 00
Total	68	$30,215 72

ADDITIONAL QUESTIONS.

Telegraph.

Number of miles of telegraph on your road, and to whom does it belong?
Six. Poles to B. L. & E. R. R., wire to Western Union Telegraph Co.

STATE OF MICHIGAN, }
COUNTY OF MANISTEE, } ss.

G. W. Hopkins, president, and E. S. Hopkins, treasurer, of the Bear Lake & Eastern Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. of R. S.] Signed,

GEO. W. HOPKINS, *President*,
ELLA S. HOPKINS, *Treasurer*.

Subscribed and sworn to before me this 14th day of February, A. D. 1896.

C. C. BURGESS,
Notary Public.

ANNUAL REPORT

OF THE

CRAWFORD & MANISTEE RIVER RAILWAY COMPANY,

For the year ending December 31, 1895.

[Filed April 20, 1896.]

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES.

President, A. E. CARTIER, Ludington, Mich.
Vice President, JAMES DEMPSEY, Manistee, Mich.
Secretary and Auditor,
WM. WENTE, Manistee, Mich.
Treasurer, L. T. DEMPSEY, Manistee, Mich.
General Superintendent and General Manager,
N. DOWEN, Fletcher, Mich.
General Freight Agent, N. DOWEN, Fletcher, Mich.

DIRECTORS.

WM. W NTE, Manistee, Mi .
Term expires December 1, 1896.
ALLEN MCKEE, Manistee, Mich.
Term expires December 1, 1897.
A. E. CARTIER, Ludington, Mich.
Term expires December 1, 1896.
JAMES DEMPSEY, Manistee, Mich.
Term expires December 1, 1899.
L. T. DEMPSEY, Manistee, Mich.
Term expires December 1, 1900.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: September 28, 1885.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 7.
Amount of full paid stock held in Michigan at same date: $50,000.
Date of annual meeting of stockholders: First Tuesday in December.
Fiscal year of company ends: December 31.
General offices of the company are located at Manistee, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$5,876 48
Total expenses, including taxes	$5,801 30	
Net income		$75 18
Balance applicable to dividends		75 18
Balance for the year		75 18
Balance (profit and loss) last year		7,298 34
Balance forward to next year		$7,373 52

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$50,000 00
Par value of shares	$100 00		
Amount paid in on common		$50,000 00	
Total amount paid in as per books of the company			50,000 00
Paid in per mile of road owned by company			5,000 00

ANALYSIS OF DEBT ACCOUNTS.

Total amount of stock and debt	$50,000 00
Stock and debt per mile of road, 10 miles	5,000 00

GENERAL BALANCE SHEET.—Dr.

Construction account	$45,556 58	
Equipment account	11,618 18	
		$57,184 76
Debit balances from companies and individuals		188 76
Total		$57,373 52

GENERAL BALANCE SHEET.—Cr.

Capital stock	$50,000 00
Profit and loss or income accounts	7,373 52
Total	$57,373 52

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$57,184 76
Average cost per mile of road (not including sidings)	5,718 48
Proportion of cost for Michigan	57,184 76

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

FREIGHT EARNINGS.

Main line and branches:			
Through traffic		$5,876 48	
Total traffic			$5,876 48
Per train mile		$0 71	
Per mile of road		587 65	
Total transportation earnings, entire line			$5,876 48
Transportation earnings per mile of road	$587 65		
Transportation earnings per train mile	71		
Total earnings from operation of road			5,876 48
Total earnings per mile of road		587 65	
Total earnings per train mile		71.14	
Proportion of taxable earnings for Michigan		5,876 48	
Total taxable earnings per mile of road in Michigan		587 65	
Total income from all sources			5,876 48
Proportion of income for Michigan			5,876 48

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$2,147 34
Renewals of ties	350 00
Repairs and renewals of buildings and fixtures	80 00
Total	$2,577 34

MAINTENANCE OF EQUIPMENT.

Repairs and renewals of locomotives	$482 90
Repairs and renewals of freight cars	373 18
Total	$856 08

CONDUCTING TRANSPORTATION.

Engine and roundhouse men	$900 00
Water supply for locomotives	430 57
Oil, tallow and waste for locomotives	108 76
Train service	547 78
Switchmen, flagmen and watchmen	225 00
Total	$2,212 11

GENERAL EXPENSES.

Taxes	$155 77
Total	$155 77

RECAPITULATION OF EXPENSES.

	Per cent of expenses.	
Maintenance of way and structures	44.42	$2,577 34
Maintenance of equipment	14.76	856 08
Conducting transportation	38.12	2,212 11
General expenses, including taxes	2.68	155 77
Total operating expenses and taxes	100	$5,801 30

Operating expenses and taxes per mile of road	$580 13
Operating expenses and taxes per train mile run, for trains earning revenue, 8,260 miles	70.228
Total proportion of expenses and taxes for Michigan	$5,801 30
Percentage of expenses to earnings 98.72	
Net earnings per mile of road	7 52
Net earnings per train mile	.0091

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Manistee river to forest terminus		10

BRANCHES.

Total length of branches owned by company		3
Total length of branches owned by company in Michigan	3	
Total length of road belonging to this company		13
Total length of road belonging to this company in Michigan	13	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		13

Gauge of track, 3 feet.

Give date road commenced to be built:
September 28, 1885.

Give date road completed:
1886.

Give date road commenced to be operated:
1886.

Where built from and to:
Manistee river to forest terminus.

Give exact number of miles:
Ten.

Crossings—railroad and highway.

Number of crossings of highways at grade in this State	3
Number of crossings of highways over or under railroad [over, 3]	3

Stations.

Number of stations on whole lines (all in Michigan)	2

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan)	31

Classify your employés as per following list:	Number.
Brakemen	1
Engineers	1
Firemen	1
Laborers	26
Yardmen	2

Road bed and track.

Number of track sections in Michigan	1
Average number of men in each section gang	6
Number of new ties put in whole line during the year	3,500
Number of new ties put in track in Michigan	3,500

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of 10 to 20 tons weight, exclusive of tender	1	$4,000 00
Total	1	$4,000 00
Number of platform cars	34	$5,100 00
Other cars	2	50 00
Total	36	5,150 00

What pattern or patterns of power brakes have you in use, and number of locomotives and cars with each?
Hand power.

MILEAGE TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by freight trains during the year	8,260
Total mileage of trains earning revenue	8,260

Freight traffic.—Road all in the State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	24,327		
Total tons of freight carried, earning revenue	24,327		
Total mileage of through freight		10	
Total freight mileage or tons carried one mile		243,270	
Average ton haul for through freight		10	
Average ton haul for all freight		10	
Average amount received for each ton haul			$0 24.2
Average receipts ton per mile, for through freight			0 24.2
Average receipts ton per mile, for all freight			0 24.2
Estimated cost of carrying one ton one mile			0 23.9

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of forest: Logs	24,227		24,227	100
Total tonnage	24,227		24,227	100

STATE OF MICHIGAN, }
COUNTY OF MANISTEE, } ss.

James Dempsey, vice president, and Wm. Wente, secretary, of the Crawford & Manistee River Railway Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same declare them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed, JAMES DEMPSEY, *Vice President.*
WM. WENTE, *Secretary.*

Subscribed and sworn to before me this 17th day of April, A. D. 1896.

JAMES W. DEMPSEY,
Notary Public, Manistee Co.

ANNUAL REPORT

OF THE

DEAD RIVER RAILROAD COMPANY,

For the year ending December 31, 1896.

[Filed April 1, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, WILLIAM KNIGHT, Cleveland, Ohio.
Secretary, W. A. BROWN, Marquette, Mich.
Treasurer, R. K. HAWLEY, Cleveland, Ohio.

DIRECTORS.

R. K. HAWLEY, Cleveland, Ohio.
WILLIAM KNIGHT, Cleveland, Ohio.
JAMES BRAHANEY, Marquette, Mich.
D. H. BALL, Marquette, Mich.
GEO. P. CUMMINGS, Marquette, Mich.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: November 11, 1889.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 5.
Amount of full paid stock held in Michigan at same date: Not any.
Date of annual meeting of stockholders: No arrangement for annual meeting.
Fiscal year of company ends December 31.
General offices of the company are located at Marquette, Mich.

REMARKS.

This road is operated by the Duluth, South Shore & Atlantic Railway Company under contract with R. K. Hawley and T. H. McGraw, wherein said Duluth, South Shore & Atlantic Railway Company agree to haul certain logs belonging to said Hawley & McGraw for a stated price per thousand feet.

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$25,000 00
Par value of shares	$100 00		
Amount paid in on preferred, 5% on 200		$1,000 00	
and cost of construction paid in full		51,010 96	
Amount paid in on shares not issued (number) 5% on 300.			
Total amount paid in, as per books of the company		52,010 96	
Paid in per mile of road owned by company			17,453 34

ANALYSIS OF DEBT ACCOUNTS.

RECAPITULATION.

Total amount of stock and debt, stock authorized	$35,000 00
Stock and debt per mile of road	8,289 26

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction	$51,010 96
Average cost of construction per mile of road (not including sidings) 2.98 miles	17,117 77
Proportion of cost of construction for Michigan: All in Michigan.	

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
August 11, 1890.

MAIN LINE.

	Miles.	Miles.
Length completed in Michigan	2.98	
Total length of road belonging to this company		2.98
Total length of road belonging to this company in Michigan	2.98	
Aggregate length of sidings, spurs and other tracks not above enumerated	.17	
Same in Michigan	.17	
Aggregate length of tracks belonging to this company computed as single track		3.15
Same in Michigan	3.15	

Gauge of track, 4 feet 8½ inches.

STATE OF MICHIGAN, }
COUNTY OF MARQUETTE, } ss.

William Knight, president, and W. A. Brown, secretary, of the Dead River Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the stock, debt and other matters as therein contained of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

WILLIAM KNIGHT, *President.*
W. A. BROWN, *Secretary.*

Subscribed and sworn to before me this 30th day of March, A. D. 1896.

B. O. PEARL, *Notary Public in and for said County.*

ANNUAL REPORT

OF THE

HECLA & TORCH LAKE RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed January 28, 1896.]

OFFICERS OF THE COMPANY, WITH LOCATION OF OFFICES.

President, ALEX. AGASSIZ, Boston, Mass.
Secretary, JAMES N. COX, Calumet, Mich.
Treasurer, JAMES N. COX, Calumet, Mich.
General Manager, S. B. WHITING, Calumet, Mich.
General Superintendent, W. A. CHILDS, Calumet, Mich.
Assistant General Superintendent, CHRIS. BURCH, Calumet, Mich.
Cashier, F. S. EATON, Calumet, Mich.

DIRECTORS.

A. AGASSIZ, Cambridge, Mass.
Q. A. SHAW, West Roxbury, Mass.
S. B. WHITING, Calumet, Mich.
JOHN DUNCAN, Calumet, Mich.
W. A. CHILDS, Calumet, Mich.
Terms expire June, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: 1867.
Number of stockholders at date of last election: 5.
Number of stockholders in Michigan at same date: 3.
Amount of full paid stock held in Michigan at same date: 200.
Date of annual meeting of stockholders: Third Wednesday in June.
Fiscal year of company ends April 30.
General offices of the company are located at Calumet, Mich.

REMARKS.

The road is operated and wholly owned by the Calumet & Hecla Mining Company, which pays any deficit which may occur for the privilege of having its rock transported free.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$34,493 56
Total expenses, including taxes	$34,493 56	

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$150,000 00
Par value of shares		$100 00	
Number of shares issued	1,000		
Total amount paid in, as per books of the company			100,000 00
Paid in per mile of road owned by company			12,333 33

ANALYSIS OF DEBT ACCOUNTS.

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For construction		$586,230 12

RECAPITULATION.

Total debt liabilities	$586,230 12
Amount of debt liabilities per mile of road, 7½ miles	78,164 01
Total amount of stock and debt	686,230 12
Stock and debt per mile of road, 7½ miles	91,497 49

GENERAL BALANCE SHEET.—Dr.

Construction account	$686,230 12
Total	$686,230 12

GENERAL BALANCE SHEET.—Cr.

Capital stock	$100,000 00
Unfunded debt	586,230 12
Total	$686,230 12

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$686,230 12
Average cost per mile of road (not including sidings), 7½ miles	91,497 49
Proportion of cost for Michigan. All.	

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

FREIGHT EARNINGS.

Main line and branches:	
Local traffic	$84,493 56
Total traffic	$84,493 56
Total transportation earnings, entire line	$84,493 56
Proportion of taxable earnings for Michigan	84,493 56

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$6,737 64
Renewals of rails	800 00
Renewals of ties	1,200 00
Repairs and renewals of fences, road crossings, signs and cattle guards	500 00
Other expenses, signal tower	353 83
Total	$9,591 47

MAINTENANCE OF EQUIPMENT.

Not kept separate.

CONDUCTING TRANSPORTATION.

Fuel for locomotives	$11,120 78
Train service	52,359 78
Train supplies and expenses	8,762 12
Total	$72,242 68

GENERAL EXPENSES.

Taxes	$2,659 41
Total	$2,659 41

RECAPITULATION OF EXPENSES.

Maintenance of way and structures	$9,591 47
Conducting transportation	72,242 68
General expenses, including taxes	2,659 41
Total operating expenses and taxes	$84,493 56

Proportion of operating expenses and taxes for Michigan, all.
Percentage of expenses to earnings, 100.

DESCRIPTION OF ROAD.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Calumet to Lake Linden		6

BRANCHES.

From Hecla to South Hecla	1	
From Hecla to Calumet	0.2	
Total length of branches owned by company		1.2
Total length of road belonging to this company		7.2
Total length of road belonging to this company in Michigan		7.2
Aggregate length of tracks in Michigan belonging to this company, computed as single track		7.2

Gauge of track, 4 feet 1 inch.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden trestles	5	1,500

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Mineral Range R. R. at Calumet.
Hancock & Calumet R. R. at Calumet.

At what crossings are interlocking and derailing switches in operation?
Mineral Range.

What pattern or patterns have you adopted?
U. S. & S. Co.

Number of crossings of highways at grade in this State	3
Number of crossings of highways at grade in this State at which there are gates or flagmen	2
Number of crossings at which there are electric or automatic signals	1

Are your frogs and guard rails blocked as required by act 174, session laws 1883?
Yes.

How are they treated?
Iron choke pieces.

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan)	122

Classify your employés as per following list:	Number.
Brakemen	18
Conductors	6
Engineers	6
Firemen	6
Laborers	60
Shopmen	8
Yardmen	8
Others	10

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you	15

Road bed and track.

Number of track sections in Michigan	3
Average number of men in each section gang	6

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	8	$72,200 00
Number of locomotives of 20 to 30 tons weight, exclusive of tender	1	7,600 00
Total	9	$79,800 00
Number of passenger cars, 8-wheel, including official cars	1	$475 00
Number of box freight cars	4	950 00
Number of stock cars	30	6,900 00
Number of platform cars	45	9,975 00
Number of ore cars	380	85,500 00
Number of conductors' way cars	3	665 00
Other cars	4	8,450 00
Total	567	$112,915 00

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
No, cars always had safety couplers.

What pattern or patterns have you adopted for use?
Childs; cars couple after deadwoods meet; no danger to men in making or unmaking trains.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by freight trains during the year	41,850

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Total tons of freight carried, earning revenue	1,412,860		
Total mileage of local freight		41,850	
Total freight mileage or tons carried one mile		10,604,550	
Average receipts ton per mile, for all freight			$0 00.77

FREIGHT TRAFFIC MOVEMENT.—ROAD ALL IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of mines:				
Mineral	59,694			
Bituminous coal	117,928			
Ores, rock	1,196,838			
Stone, sand and other like articles	3,000			
Products of forest:				
Lumber, logs and shingles	31,000			
Manufactures:				
Castings and machinery	1,100			
Cement, brick and lime	800			
Miscellaneous:				
Other commodities not mentioned above	3,500			
Total tonnage	1,412,860			

STATE OF MICHIGAN, }
COUNTY OF HOUGHTON, } ss.

S. B. Whiting, general manager, and James N. Cox, secretary, of the Hecla & Torch Lake Railroad Company, being duly sworn, depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full, and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

S. B. WHITING, *G. M.*
JAMES N. COX.

Subscribed and sworn to before me this 24th day of January, A. D. 1896.

L. W. KILLMAR,
Notary Public.

ANNUAL REPORT

OF THE

MANISTEE & LUTHER RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed March 23, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, R. G. PETERS, Manistee.
Vice President, L. H. WITHEY, Grand Rapids.
Secretary, H. W. CAREY, Eastlake.
Treasurer, H. W. CAREY, Eastlake.
General Manager, R. G. PETERS, Eastlake.
Assistant General Manager, H. W. CAREY, Eastlake.
Attorney, A. J. DOVEL, Manistee.

DIRECTORS.

R. G. PETERS, Manistee.
L. H. WITHEY, Grand Rapids.
H. W. CAREY, Eastlake.
A. J. DOVEL, Manistee.
G. M. BURR, Manistee.
Terms expire April 2, 1896.

STOCKHOLDERS, STOCK, AND GENERAL OFFICES.

When chartered or articles of association filed? March 26, 1886.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 7.
Amount of full paid stock held in Michigan at same date: $300,000.00.
Date of annual meeting of stockholders: First Tuesday in April.
Fiscal year of company ends: December 31.
General offices of the company are located at Eastlake, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$74,805 99
Total expenses, including taxes	$63,584 44	
Net income		11,221 55
Balance for the year		$11,221 55
Balance (profit and loss) last year		74,250 30
Balance forwarded to next year		85,471 85

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$400,000 00
Par value of shares	$100 00		
Number of shares issued	4,000		
Amount paid in on common		$300,000 00	
Total amount paid in, as per books of the company			300,000 00
Paid in per mile of road owned by company			4,761 90

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated?	Amount.
For miscellaneous		$631 52

RECAPITULATION.

Total debt liabilities	$631 52
Amount of debt liabilities per mile of road, 63 miles	10 02
Total amount of stock and debt	300,631 52
Stock and debt per mile of road, 63 miles	4,771 92

GENERAL BALANCE SHEET.—DR.

Construction account	$284,364 19	
Equipment account	71,077 07	
		$355,441 26
Cash items:		
Cash		11,775 67
Other assets:		
Debit balances from companies and individuals		18,886 44
Total		$386,103 37

GENERAL BALANCE SHEET.—CR.

Capital stock	$300,000 00
Unfunded debt:	
Vouchers and accounts	631 52
Profit and loss or income accounts	85,471 85
Total	$386,103 37

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$355,441 26
Average cost per mile of road (not including sidings), 63 miles	5,641 92
Proportion of cost for Michigan	5,641 92

Purchased by present company.

When purchased: Constructed and equipped by the company.	
Original cost to present company, of road and equipment	$355,441 26
Amount expended since purchase, account of construction	284,364 19
Amount expended since purchase, account of equipment	71,077 07
Total cost to date of report	355,441 26
Average cost per mile of road (not including sidings) 63 miles	5,641 92
Proportion of cost for Michigan	5,641 92

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

Main line:	
New cars	$164 40
Net addition to property account	$164 40

ANALYSIS OF EARNINGS.—IN STATE OF MICHIGAN.

PASSENGER EARNINGS.

Main line and branches:		
Local fares	$329 35	
Total passenger department earnings		$329 35
Per mile of road	$5 23	

FREIGHT EARNINGS.

Main line and branches:		
Local traffic	$74,476 14	
Total freight department earnings		$74,476 14
Per mile of road	$1,182 16	
Total transportation earnings, entire line		$74,805 99
Transportation earnings per mile of road	1,187 39	
Total earnings from operation of road		$74,805 99
Total earnings per mile of road		1,187 39
Proportion of taxable earnings for Michigan		74,805 99
Total taxable earnings per mile of road in Michigan		1,187 39
Proportion of income for Michigan		74,805 99

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$15,097 91
Renewals of ties	1,325 38
Repairs and renewals of buildings and fixtures	197 79
Repairs and renewals of docks and wharves	240 00
Total	$16,861 08

MAINTENANCE OF EQUIPMENT.

Superintendence	$6,577 05
Repairs and renewals of passenger cars	7,644 86
Repairs and renewals of shop machinery and tools	139 75
Total	$14,361 66

CONDUCTING TRANSPORTATION.

Engine and roundhouse men	$5,876 12
Fuel for locomotives	6,855 51
Water supply for locomotives	116 32
Oil, tallow and waste for locomotives	1,560 89
Train service	4,257 02
Train supplies and expenses	209 85
Telegraph expenses	344 75
Station service	4,471 18
Loss and damage	82 00
Injuries to persons	1,586 00
Rents for tracks, yards and terminals	2,000 00
Total	$27,360 24

GENERAL EXPENSES.

Salaries of general officers	$1,000 00
Salaries of clerks and attendants	1,000 00
Insurance	200 00
Law expenses	501 25
Stationery and printing (general offices)	110 11
Other expenses	92 30
Taxes	2,097 80
Total	$5,001 4

RECAPITULATION OF EXPENSES.

Maintenance of way and structures	$16,861 08
Maintenance of equipment	14,361 66
Conducting transportation	27,360 24
General expenses, including taxes	5,001 46
Total operating expenses and taxes	$63,584 44
Operating expenses and taxes per mile of road	1,009 27
Total proportion of expenses and taxes for Michigan	63,584 44
Net earnings per mile of road	178 12

DESCRIPTON OF ROAD.

Date when the road was opened for use between its present termini:
From Eastlake, Mich., to Section 21, 18, 12, June, 1886.

MAIN LINE.

	Miles.	Miles.
In Michigan, from Eastlake to Section 21, 18, 12		45

BRANCHES.

From Section 3, 19, 13 to Section 13, 20, 13	7	
From Section 11, 19, 13 to Section 15, 20, 13	8	
From Section 23, 20, 15 to Section 27, 20, 15	3	
Total length of branches owned by company		18
Total length of branches owned by company in Michigan	18	
Total length of road belonging to this company		63
Total length of road belonging to this company in Michigan	63	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		63

Gauge of track, 3 feet.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden bridges	3	150
Wooden trestles	1	60
Total	4	210

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
F. & P. M. R. R. at Eastlake.
G. R. & I. R. R. at Careyville.
C. & W. M. R. R. at Peters.

At what crossings are interlocking and derailing switches in operation?
F. & P. M. R. R.
C. & W. M. R. R.

What pattern or patterns have you adopted?
Second class interlocker.

Number of crossings of highways at grade in this State 8

Employés.

Number of persons regularly employed on all roads operated by company, including officials (all in Michigan) 120

Classify your employés as per following list:	Number.
Brakemen	6
Conductors	3
Engineers	4
Firemen	3
Laborers	50
Shopmen	8
Yardmen	20
Others	26

REPAIRS AND RENEWALS.

Fencing in Michigan.

How many miles of fencing have you 1
Give the number of miles required to complete fence both sides of your track in Michigan and the counties in which needed: 62

Road bed and track.

Number of track sections in Michigan	4
Average lengths of sections (miles)	15
Average number of men in each section gang	10
Number of new ties put in whole line during the year	13,639
Number of new ties put in track in Michigan	13,639
Average number of new ties per mile of road	216

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	3	$10,500 00
Number of locomotives of 10 to 20 tons weight, exclusive of tender	3	9,000 00
Total	6	$19,500 00
Number of passenger cars—8-wheel, including official cars	1	$1,500 00
Number of box freight cars	2	450 00
Number of platform cars	15	3,000 00
Number of conductors' way cars	5	627 07
Other cars	230	46,000 00
Total	253	$71,077 07
Number of locomotives equipped with power brakes		3

Are your freight cars being equipped with automatic couplers as required by act No. 147, session laws of 1885, as amended by act No. 88, session laws of 1887?
Regular logging car coupling.

How are your passenger cars heated?
Stoves.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by mixed trains	59,000

Passenger traffic.—Road all in State of Michigan.

	Numbers.	Miles.	Rate.
Number of local passengers carried, earning revenue	439		
Total number of passengers carried, earning revenue	439		
Number of passengers carried one mile	10,802		
Average distance carried		25	
Average amount received from each passenger			$0 75
Average receipts per mile for local passengers			03
Average receipts per passenger per mile for all passengers			03

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of local freight carried, earning revenue	74,806		
Total tons of freight carried, earning revenue	74,806		
Total mileage of local freight		59,000	
Total freight mileage or tons carried one mile		4,987,196	
Average ton haul for local freight		66	
Average ton haul for all freight		66	
Average amount received for each ton haul			$1 00
Average receipts ton per mile, for local freight			01.5
Average receipts ton per mile, for all freight			01.5

FREIGHT TRAFFIC MOVEMENT.—ENTIRE LINES.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of forest:				
Logs	71,806			
Merchandise	3,000			
Total tonnage	74,806			

ADDITIONAL QUESTIONS.

Telephone.

Number of miles of telephone on your road, and to whom does it belong?
35 miles.

STATE OF MICHIGAN, } ss.
COUNTY OF MANISTEE, }

Richard G. Peters, president, and Henry W. Carey, secretary, of the Manistee & Luther Railroad Company, being duly sworn depose and say that they have caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declare them to be a true, full and correct statement of the condition and affairs of said company on the thirty-first day of December, A. D. 1895, to the best of their knowledge and belief.

[L. S. OF R. R.] Signed,

RICHARD G. PETERS,
HENRY W. CAREY.

Subscribed and sworn to before me this 19th day of March, A. D. 1896.

[L. S.]

RAYMOND B. GILLETT,
Notary Public.

ANNUAL REPORT

OF THE

QUINCY & TORCH LAKE RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed March 23, 1896.]

OFFICERS OF THE COMPANY WITH LOCATION OF OFFICES.

President, THOS. F. MASON, New York.
Vice President, S. B. HARRIS, Hancock, Mich.
Secretary, E. D. JOHNSON, Hancock.
Auditor, E. D. JOHNSON, Hancock.
Treasurer, E. D. JOHNSON, Hancock.
General Manager, S. B. HARRIS, Hancock.
General Superintendent, S. B. HARRIS, Hancock.
Chief Engineer, J. L. HARRIS, Hancock.
Attorney, T. B. DUNSTAN, Hancock.

DIRECTORS.

THOS. F. MASON, New York.
S. B. HARRIS, Hancock.
E. D. JOHNSON, Hancock.
T. B. DUNSTAN, Hancock.
GEO. S. NORTH, Hancock.
JAMES ROSS, Hancock.
THOS. WHITTLE, Hancock.
Terms expire June 19, 1896.

STOCKHOLDERS, STOCK AND GENERAL OFFICES.

When chartered or articles of association filed: June 29, 1888.
Number of stockholders at date of last election: 7.
Number of stockholders in Michigan at same date: 6.
Amount of full paid stock held in Michigan at same date: $600.
Date of annual meeting of stockholders: Third Monday in June.
Fiscal year of company ends: December 31.
General offices of the company are located at Hancock, Mich.

GENERAL EXHIBIT.

	Debit.	Credit.
Total earnings from operation		$26,383 66
Total expenses, including taxes	$26,383 66	
Balance (profit and loss) last year		$12,992 21
Balance forwarded to next year		12,992 21

ANALYSIS OF CAPITAL STOCK.

Amount authorized by charter or articles of association			$50,000 00
Par value of shares		$100 00	
Number of shares issued	500		
Amount paid in on common		$50,000 00	
Total amount paid in, as per books of the company			50,000 00
Paid in per mile of road owned by company, 6 miles			8,333 34

ANALYSIS OF DEBT ACCOUNTS.

FUNDED DEBT.

Class, character and date of issue.	Rate of interest.	When due.	Where payable.	Amount outstanding.
100 bonds	6%	1905	New York City	$100,000 00

UNFUNDED DEBT.

For what incurred.	Is the same to be funded or how liquidated.	Amount.
For construction and equipment		$65,793 22

RECAPITULATION.

Total funded debt	$100,000 00
Total unfunded debt	65,793 22
Total debt liabilities	$165,793 22
Amount of debt liabilities per mile of road, 6 miles	27,632 20
Total amount of stock and debt	215,793 22
Stock and debt per mile of road, 6 miles	35,965 53

GENERAL BALANCE SHEET—Dr.

Construction account Equipment account	$328,785 43
Total	$328,785 43

GENERAL BALANCE SHEET.—Cr.

Capital stock	$50,000 00
Funded debt	100,000 00
Unfunded debt:	
Vouchers and accounts	65,793 22
Profit and loss or income accounts	12,992 21
Total	$328,785 43

COST OF ROAD AND EQUIPMENT.

TOTAL COST FOR CONSTRUCTION AND EQUIPMENT OF ROAD AND BRANCHES BUILT BY COMPANY.

Total expended for construction and equipment	$328,785 43
Average cost per mile of road (not including sidings), 6 miles	38,130 00
Proportion of cost for Michigan: All.	

CHARGES AND CREDITS TO PROPERTY DURING THE YEAR.

Main line:	
Extension and new sidings	$4,041 51
New buildings	1,803 11
New cars	832 84
Total charges to property account as above	$6,677 46
Net addition to property account	$6,677 46

ANALYSIS OF EARNINGS.—ROAD ALL IN STATE OF MICHIGAN.

FREIGHT EARNINGS.

Main line and branches:		
Through traffic	$26,382 66	
Total traffic		$26,382 66
Per train mile	$1 54	
Per mile of road	4,397 11	
Total transportation earnings, entire line		$26,382 66
Transportation earnings per mile of road	$4,397 11	
Transportation earnings per train mile	1 54	
Total earnings from operation of road		$26,382 66
Total earnings per mile of road	$4,397 11	
Total earnings per train mile	1 54	
Proportion of taxable earnings for Michigan: All.		
Total income from all sources		$26,382 66
Proportion of income for Michigan: All.		

ANALYSIS OF EXPENSES.

MAINTENANCE OF WAY AND STRUCTURES.

Repairs of roadway	$4,662 77
Renewals of rails	552 00
Renewals of ties	210 50
Repairs and renewals of bridges and culverts	117 54
Repairs and renewals of buildings and fixtures	139 40
Other expenses	179 89
Total	$5,862 10

MAINTENANCE OF EQUIPMENT.

Superintendence	$568 33
Repairs and renewals of locomotives	1,834 92
Repairs and renewals of freight cars	4,148 72
Total	$6,551 97

CONDUCTING TRANSPORTATION.

Superintendence	$568 33
Engine and roundhouse men	4,029 74
Fuel for locomotives	3,617 91
Oil, tallow and waste for locomotives	175 70
Train service	4,803 48
Stationery and printing / Other expenses	229 96
Total	$13,425 11

GENERAL EXPENSES.

Taxes	$543 48

RECAPITULATION OF EXPENSES.

Maintenance of way and structures	$5,862 10
Maintenance of equipment	6,551 97
Conducting transportation	13,425 11
General expenses, including taxes	543 48
Total operating expenses and taxes	$26,382 66
Operating expenses and taxes per mile of road	$4,397 11
Operating expenses and taxes per train mile run, for trains earning revenue, 15,643 miles	1 54

Proportion of operating expenses and taxes for Michigan: All.
Percentage of expenses to earnings 100

DESCRIPTION OF ROAD.

Date when the road was opened for use between its present termini:
From Quincy Mine to Quincy Mill, March, 1880.

MAIN LINE.

		Miles.
In Michigan, from Quincy Mine to Quincy Mill		6
Aggregate length in Michigan of sidings, spurs, and other tracks not above enumerated	1.38	
Aggregate length of tracks in Michigan belonging to this company, computed as single track		7.38

Gauge of track, 3 feet.

Number of bridges and trestles in Michigan.

	Number.	Aggregate length, feet.
Wooden trestles	10	1,337

Crossings—railroad and highway.

What railroads cross your road at grade in this State, and at what locality?
Mineral Range Siding R. R. at Quincy Mine.

What railroads cross your road either over or under your grade in this State, and where?
Over Franklin Tramway R. R. at S. E. ¼ of Sec. 25, T. 55, N., R. 34 W.

Stations.

Number of stations on whole lines (all in Michigan)	2

Employés.

Number of persons regularly employed on all roads operated by company, including officials, (all in Michigan)	40

Classify your employés as per following list:	Number.
Brakemen	2
Conductors	2
Engineers	3
Firemen	2
Laborers	22
Shopmen	2
Yardmen	3
Others	4

REPAIRS AND RENEWALS.

Road bed and track.

Number of track sections in Michigan	1
Average lengths of sections, miles	6
Average number of men in each section gang	8
Number of new ties put in track in Michigan	942
Average number of new ties per mile of road	157

New rails put in track:
Steel, 13 1600-2000 tons.

ROLLING STOCK.

	Number.	Present estimated value.
Number of locomotives of more than 30 tons weight, exclusive of tender	3	$18,000 00
Total	3	$18,000 00
Number of platform cars	7	$1,200 00
Number of ore cars	50	17,000 00
Number of conductors' way cars	1	150 00
Other cars	2	832 84
Total	60	$37,182 84

What patterns of power brakes have you in use, and number of locomotives and cars with each?
Eames Vacuum on 3 locomotives.

What pattern or patterns have you adopted for use?
Link and pin; deadwood meets before coupling is made.

MILEAGE, TRAFFIC, ETC.

Train mileage.

	All in Michigan.
Miles run by freight trains during the year	15,648
Total mileage of trains earning revenue	15,648

Freight traffic.—Road all in State of Michigan.

	Tons.	Miles.	Rate.
Number of tons of through freight carried, earning revenue	495,401		
Total tons of freight carried, earning revenue	495,401		
Total freight mileage or tons carried one mile		2,972,406	
Average ton haul for through freight		6	
Average amount received for each ton haul			$0 05.3
Average receipts ton per mile, for all freight			00.9

FREIGHT TRAFFIC MOVEMENT.—IN STATE OF MICHIGAN.

Company's material excluded.

Commodity.	Freight originating on this road. Whole tons.	Freight received from connecting roads and other carriers. Whole tons.	Total freight tonnage.	
			Whole tons.	Per cent.
Products of mines:				
Copper rock			495,401	100

STATEMENT OF ACCIDENTS.

INJURED.

October 4, 1895, Maud Williams, Franklin. Small child; tried to cross track in front of train; carelessness of older children who were nursing child hurt.

STATE OF MICHIGAN, }
COUNTY OF HOUGHTON, } ss.

Edward D. Johnson, secretary and treasurer of the Quincy & Torch Lake Railroad Company, being duly sworn, deposes and says that he has caused the foregoing statements to be prepared by the proper officers and agents of this company, and having carefully examined the same, declares them to be a true, full and correct statement of the condition and affairs of said company, on the thirty-first day of December, A. D. 1895, to the best of his knowledge and belief.

[L. S. OF R. R.] Signed,

EDWARD D. JOHNSON, *Secretary and Treasurer.*

Subscribed and sworn to before me this 24th day of March, A. D. 1896.

A. F. MACDONALD,
Notary Public.

ANNUAL REPORT

OF THE

NORTH BRANCH & SAUBLE RIVER RAILROAD COMPANY,

For the year ending December 31, 1895.

[Filed January 14, 1896.]

STATE OF MICHIGAN, }
COUNTY OF MASON, } ss.

James E. Danaher, being first duly sworn, deposes and says that he is the secretary of the North Branch & Sauble River Railroad Company; that said railroad company ceased operations on or about October first, 1894; that the rails have been taken up and sold, together with all the rolling stock; and that said railroad has gone out of existence; that there was no earnings of such railroad in the year 1895.

(Signed) JAS. E. DANAHER.

Subscribed and sworn to before me this 10th day of January, A. D. 1896.

[L. S.]

ADDISON A. KEISER,
Notary Public, Mason, Mich.

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6.374 Michigan. Railroad commission.
24th annual report. 1896

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DATE	NAME	DATE